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November 3, 2011

Kim Tisa, PCB Coordinator
U.S. Environmental Protection Agency, Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, MA 02109-3912

Re: Notification of TSCA Self-Implementing Clean-up of PCBs
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts
ATC Job No. 060.41885.0001

Dear Ms. Tisa:

Please find enclosed a Notification/Certification for a self-implementing clean-up of PCBs under the Toxic Substances Control Act, 40 CFR 761.61(a), on behalf of the United States General Services Administration.

This submittal documents the plan for clean-up of PCB-impacted building materials during replacement of the curtain walls at the above-referenced location.

If you have any questions, please contact the undersigned at (781) 932-9400.

Sincerely,
ATC Associates Inc.

Daniel P. White, PG
Senior Project Manager

Michael Gitten, LSP, PE
Division Manager, Environmental Services

cc: Mr. David Mitchell, ATC
Mr. Peter Duryea, APSI
Kenneth Kimmell, Commissioner, Massachusetts DEP, One Winter St., Boston, MA 02108
Susan Rask, Public Health Director, Concord Health Department, 141 Keyes Road, 2nd Floor, Concord, MA 01742
Ms. Barbara Ferrer, Executive Director, Boston Public Health Commission

NOTIFICATION OF TSCA SELF-IMPLEMENTING CLEAN-UP OF PCBS

CURTAIN WALL REPLACEMENT PROJECT
JFK FEDERAL BUILDING
BOSTON, MASSACHUSETTS

NOVEMBER 3, 2011

Prepared for:

United States General Services Administration
10 Causeway Street
Boston, MA 02222

Prepared by:

ATC Associates Inc.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801
(781) 932-9400

ATC Project No. 060.41885.0001

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APPENDICES

1 INTRODUCTION

ATC Associates Inc. (ATC) has prepared this Notification/Certification of a self-implementing clean-up of polychlorinated biphenyls (PCBs) (Notification) under the Toxic Substances Control Act (TSCA), on behalf of the United States General Services Administration (GSA).

The Notification is provided for planned replacement of the curtain walls (exterior glass walls) at the JFK Federal Building, located at 15 New Sudbury Street, Boston, Massachusetts. The JFK Federal Building is hereinafter referred to as the Site.

This Notification has been prepared in accordance with the TSCA requirements for a self-implementing clean-up plan, as outlined at 40 CFR 761.61(a). The certification required by 40 CFR 761.61(a)(3)(i)(E) is included in Section 5.

1.1 ENTITY SUBMITTING NOTIFICATION/CERTIFICATION

The following is information regarding the entity submitting this Notification:

Entity:	United States General Services Administration
Address:	10 Causeway Street Boston, MA 02222
Contact:	John F. Buckley Senior Project Manager john.buckley@gsa.gov
Telephone:	617-428-4502

2 SITE BACKGROUND AND HISTORY

This Section provides Site background and history, including a Site description and summary of the discovery of PCBs at the Site. Section 2.3 includes information on PCB characterization sampling, as required by **40 CFR 761.61(a)(3)(i)(B)**.

2.1 GENERAL LOCATION

A locus map showing the location of the Site is included as ***Figure 1***. The Site is located in a commercial and institutional area of downtown Boston, bounded by the following properties:

- North - New Sudbury Street, followed by the Government Center parking garage, a Boston Police Precinct Station, and a commercial building
- East - Congress Street, followed by a commercial building
- South - City Hall Plaza and Boston City Hall
- West - Cambridge Street, followed by a commercial building

2.2 FACILITY AND SITE DESCRIPTION

The Site is an office building owned by the federal government that houses various federal agencies. The building was constructed between 1963 and 1966and consists of a "high-rise" tower on the west end that is 24 stories in height, and a "low-rise" wing on the east end that is four stories in height. The high-rise and low-rise portions of the building are connected with a small two-story connector wing. There is one below-grade levels. Drawings of the north and south elevations (profiles) of the building are included as ***Figures 2*** and ***3***.

The exterior of both portions of the building are similar in construction. The majority of the exterior consists of dense poured concrete with decorative aggregate texture, with inset window openings. A curtain wall (glass wall) exists on both the north and south sides of both the high-rise and low-rise portions of the building, as shown on ***Figures 2*** and ***3***. The curtain walls extend from the ground level to near the top of the building, and are approximately 25-40 feet wide. Concrete-paved sidewalk and plaza areas are present at the base of each curtain wall, and there is an entrance/exit from the building at each curtain wall.

The curtain walls have steel beam structural members, onto which are mounted metal frames and individual glazing panes (glass panes). Entrance doors to the building are located at the base of each curtain wall. Stairwells exist behind the curtain walls on the high-rise tower, while there are offices behind the curtain walls on the low-rise wing. The curtain walls on both high-rise and low-rise portions of the building are recessed into the building, so that the poured concrete walls on either side extend out from the curtain walls at a 90-degree angle. On each floor on the 3rd floor and above on the high-rise curtain walls, vertical rectangular concrete "pilasters" about six feet in height extend out approximately 10 inches from the concrete walls, a few inches off the curtain wall. These pilasters appear to be purely decorative, and are not present on the low-rise portion of the building. The wall material adjacent to the low-rise north side curtain wall at the ground level to a height of 8 feet above the sidewalk is polished granite. Photographs of the curtain walls are included in ***Appendix A***.

A window and curtain wall replacement project is currently underway at the Site. On most of the building, individual windows are being removed and replaced within the existing outer frame, not disturbing the window surround sealants. GSA plans to replace the entire curtain walls in the near future. The curtain wall replacement will consist of stripping glazing (glass) and frames from the curtain walls, leaving only the structural steel framing. New curtain wall glazing and framing will be attached to the existing steel beams.

ATC identified the following suspect caulk/sealant homogeneous materials within the curtain wall project area:

- Side Joint Caulk – an exterior 1-inch wide vertical caulk bead between the curtain wall frame and the adjacent concrete wall that extends out at a 90-degree angle from the curtain wall. Likely original to building. The Side Joint Caulk is not present below a height of 8 feet on the ground level of the north side low-rise curtain wall adjacent to the granite wall slabs, or the lowest two floors of the high-rise curtain walls (both north and south sides);
- Glazing Sealant – an exterior 1/4-inch wide caulk material between metal curtain wall frames and glass panes. GSA has said that much of this caulk was likely placed in the 1990s during a re-sealing project to replace original deteriorated gaskets.

- Frame/Beam Caulk – an exterior 1-inch wide caulk bead between the wrapped curtain wall structural beams and the glazing frames in the three middle columns of glazing at the 3rd floor and above on the high-rise curtain walls. Likely original to building.
- Glazing Seal Caulk – an exterior/interior 1/4-inch wide caulk bead used to seal shut the opening windows in the three middle columns of the high-rise curtain walls at the third floor and above. According to GSA, this caulk was installed in the 1990s and would therefore not be suspected to contain PCBs. However, ATC collected samples of this caulk material because it was near the suspect Frame/Beam Caulk.
- Louver Caulk – an interior thin caulk bead sandwiched between the glazing frames and the flange of the 6-7 louver panels on the high-rise curtain walls. The louver panels open for venting in case of a fire. Likely original to building.
- Side Corner Caulk – an interior vertical < 1/4-thick caulk bead in the corner of the high-rise curtain walls between the curtain wall frame and the adjacent concrete wall that extends into the building at a 90-degree angle from the curtain wall. This thin bead of caulk is not present in all locations. Note that this caulk is underlain by the metal sheathing covering the curtain wall structural beams, and ATC does not believe that there is any connection between this caulk and the exterior Side Joint Caulk that could have allowed migration of PCBs in the exterior caulk to the interior caulk.

Building materials adjacent to suspect caulk/sealants include metal curtain wall frames and louver panels, curtain wall glazing (glass), decorative poured concrete walls (exterior), and painted poured concrete walls (interior).

2.3 PCB CHARACTERIZATION SAMPLING

This section outlines the building material PCB characterization sampling that has been conducted at the Site. The objective of the sampling work was to evaluate the extent of PCB content in caulk and adjacent building materials within the curtain wall replacement project boundaries.

GSA initially requested that ATC perform sampling of suspect caulking material at the perimeter of the curtain walls. In addition, sampling of indoor air quality was conducted to establish a baseline. After initial suspect caulking material results came back with detected PCBs, ATC conducted additional bulk sampling of concrete and caulk/sealant materials, and wipe sampling of metal and glazing surfaces, to further define the nature and extent of PCB contamination within the curtain wall replacement project area. Note that ATC also characterized the presence of asbestos in caulking materials at the building and has confirmed that two distinct caulk materials do contain asbestos. This includes some of the caulk determined to contain PCBs. The following subsections are organized by building material type. Indoor air sampling results are addressed below.

In summary, 36 bulk caulk/sealant samples, 41 bulk concrete samples, and 38 wipe samples were collected for PCB laboratory analysis. A total of 10 indoor air samples were also collected for PCB laboratory analysis. The remainder of this section discusses the sampling and analytical details. Results are presented in Section 3.

2.3.1 Indoor Air Sampling

On June 16, 2011, ATC collected air samples at 10 locations on the interior of the building, in both the high-rise tower and low-rise wing. Industrial hygienist Dina Dellicolli of ATC performed the sampling. Sample locations are shown on the drawings in ***Appendix B***.

Indoor air samples were collected at each location following the EPA Method TO-10A and 680 for PCB homolog analysis using a PUF cartridge and by NIOSH Method 5503 for chlorobiphenyls analysis. . The sample cartridges were laboratory-prepared. The cartridges were set up on a stand located at least three feet away from any walls and at a height of approximately 3-5 feet above the floor. Each sample cartridge was connected to sample tubing and a calibrated personal air sampling pump. The pumps were turned on and allowed to draw air through the cartridges at a flow rate of two liters/minute (EPA Method TO-10A) or 0.2 liters/minute (NIOSH Method 5503) for approximately two to three hours.

The indoor air sample cartridges were properly packaged and transported under chain-of-custody protocol to two separate laboratories: Con-Test Laboratories of East Longmeadow, Massachusetts (Con-Test) for analysis of PCB homologs using EPA Method TO-10A extraction with analysis by EPA Method 680, and Galson Laboratories of East Syracuse, New York for analysis of chlorobiphenyls (a.k.a. PCBs) using NIOSH Method 5503.

2.3.2 Exterior Building Materials Sampling

ATC personnel Dan White, Jason Roback, and Mike Tiernan performed exterior building material sampling activities on June 16 and August 8, 9, 17, and 20, 2011. In summary, 27 caulk/sealant samples, 29 wipe samples and 28 adjacent building materials were collected from exterior locations for PCB analysis as summarized below and on ***Tables 2 and 4***.

ATC initially collected a total of 10 bulk samples of caulking material ("Side Joint Caulk") from the exterior vertical side joints between the metal frame of curtain walls and the adjacent concrete walls. An 11th caulk sample was collected from the interior at a similar position in relation to the curtain wall, but that had a different caulk material/use ("Side Corner Caulk"). ATC also initially collected 8 wipe samples of the concrete wall surfaces of the building adjacent to the Side Joint. Sample locations are shown on the attached ***Figures 2 and 3***.

Caulk samples were collected using hand tools (utility knife, pliers, chisel, etc.). Samples were placed in sample containers and labeled appropriately.

Wipe samples were collected from wall surfaces adjacent to caulk sample Locations 2 through 9 (as shown on ***Figures 2 and 3***). The samples were collected using standard EPA protocols, which included using a one-time-use disposable template to outline a 10 x 10 cm sample area and wiping the area one time across the full width of the sample area in each direction using a hexane-wetted gauze pad and moderate finger pressure. The gauze pads were placed in laboratory-supplied sample jars and stored on ice. The wipe samples collected from the concrete surfaces are viewed as an indicator of impacts from PCB-containing caulk onto adjacent materials.

The caulk and wipe samples were transported under chain-of-custody protocol to Con-Test for analysis of PCBs and lead. Samples were extracted following EPA Method 3540C (Soxhlet) and

analyzed for PCB Aroclors using EPA Method 8082. Total lead concentration was determined by EPA Method 6010B.

After initial caulk samples indicated high concentrations of PCBs in the Side Joint Caulk, ATC returned to the Site to further define the extent of PCBs in adjacent building materials. ATC collected a sample set of exterior building materials adjacent to the Side Joint Caulk from six locations on the exterior of the building. At least one of the exterior sample sets was collected from each of the four curtain wall areas (low-rise north, low-rise south, high-rise north, & high-rise south). ATC collected sample sets from the same locations as original exterior Side Joint Caulk samples 3, 4, 5, 7, 8, and 9 (see attached ***Figures 2*** and ***3***).

Each sample set consisted of four bulk concrete chip/dust samples, one metal curtain wall frame wipe sample, one glazing (glass) wipe sample, and one Glazing Sealant sample. The bulk concrete samples were collected at distances of one, three, six, and 12 inches horizontally away from the side caulk joint. The metal frame wipe samples were collected adjacent to the Side Joint Caulk (at a distance of one inch from the caulk) and the glass wipe samples were collected on the glazing nearest to the frame wipe sample (at a distance of one foot from the side frame). The Glazing Sealant sample at each location was collected from the edge of the curtain wall nearest the Side Joint Caulk. A photograph of a typical sample set is shown on ***Figure 2***.

ATC also collected two wipe samples in one location (Location 3) on the exterior polished granite wall surface on the ground level of the north low-rise curtain wall. This wall surface extends from the ground up to a height of eight feet. The Side Joint next to the granite wall surface does not contain caulk. The objective of the granite wipe samples was to enable a determination of how much of the granite surface (a non-porous surface) must be decontaminated of PCBs, if any. ATC collected wipe samples at one foot and four feet from the inside corner of the building that abuts the curtain wall (the Side Joint). A photograph of granite wipe sample locations is shown on ***Figure 2***.

ATC collected two additional exterior bulk concrete samples at two separate locations on top of the vertical "pilasters" that are located a few inches off the curtain wall on the high-rise portion of the building. One sample was collected at each of the north (Location 5) and south (Location 7) high-rise curtain walls. A photograph of a typical pilaster sample location is shown on ***Figure 2***. The purpose of these samples was to evaluate whether elevated levels of PCBs have accumulated on top of the pilasters at elevated levels.

ATC collected three additional exterior sample sets at locations in the center portion of the high-rise curtain walls (near Locations 4, 7, and 8 on the high-rise north and south sides) to evaluate three separate types of caulk in the middle of the curtain walls described in Section 2.2, including:

- Frame/Beam Caulk;
- Glazing Seal Caulk (distinct from "Glazing Sealant" below); and
- Glazing Sealant.

See ***Figures 2*** and ***3*** for the locations of these sample sets. Each sample set consisted of one Glazing Sealant sample, one Frame/Beam Caulk sample, one Glazing Seal Caulk sample, one glazing frame wipe sample, and one glass wipe sample. All samples in a set were collected in proximity to each other. The metal frame wipe sample in each set was collected adjacent to the Frame/Beam Caulk (at a distance of one inch from the caulk) and the glass wipe sample in each

set was collected on the glazing pane nearest to the caulk samples (at a distance of one foot from the glazing frame). A photograph of a typical center sample set is shown on ***Figure 3***.

The concrete samples were collected from surficial concrete (zero to a depth of 0.5 inches) with a maximum disturbed area approximately two inches in diameter. ATC generally used the sampling procedures outlined in the EPA document *Standard Operating Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs), EPA New England - Region I, May 5, 2011*. This procedure entails the use of a hammer drill to drill or chip a hole into the concrete, generating concrete powder/chips that is then collected and submitted to a laboratory for analysis. The drill bits used for sample collection were decontaminated between sample locations by wiping with a hexane-wetted paper towel.

Wipe samples were collected as previously described. Note that a 10 cm x 10 cm area is typically used, but to enable better delineation with distance away from the joint on the metal frames, ATC used a 4 cm x 25 cm template instead, with the long edge of the template aligned parallel to the joint.

ATC collected glazing sealant and caulking samples with hand tools. The tools used for sample collection were decontaminated between sample locations by wiping with a hexane-wetted paper towel. Most sampled caulk and glazing sealant was smooth and rubbery, and gray, dark brown, or black in color.

Samples were placed in sealed laboratory-supplied containers and labeled appropriately. ATC submitted all caulk/sealant, concrete, and wipe samples collected under chain-of-custody protocol to Con-Test for the same PCB Aroclor analysis as previous caulk/wipe samples.

On August 17, 2011, ATC performed exploration of the void space behind the exterior Side Joint Caulk that was previously sampled in June 2011. The purpose of the exploration was to attempt to discover whether there is any hidden caulk or other sealant behind the visible caulk, and collect sample(s), if present. The exploration was conducted at two locations, one on the north high-rise curtain wall (Location 5) and one on the south high-rise (Location 8). Fibrous insulation-type material was observed at both locations, a different type of material at each location. The materials were not suspect PCB materials. A void space was observed behind the fibrous material at both locations, but no other suspect sealants were observed.

2.3.3 Interior Building Materials Sampling

ATC employees Mike Tiernan, Jason Roback, and Brian Cooke performed interior building material sampling activities on June 16, August 17, and September 28, 2011. In summary, 9 caulk/sealant samples, 7 wipe samples and 13 adjacent building materials were collected from interior locations for PCB analysis as summarized below and on ***Tables 2 and 4***.

Initially, one caulk sample (Sample 6-B) was collected from interior Location 6, on the inside of the curtain wall where the wall abuts the metal edge of the window panels. This thin vertical bead of Side Corner Caulk is not present in all locations on the inside of the high-rise curtain walls.

ATC later collected eight additional interior caulk samples from locations on the high-rise curtain walls. Four samples were collected around louver panels (Louver Caulk) that exist on the

high-rise curtain walls (two from each of the south and north sides). An additional four samples of Side Corner Caulk were collected. Apart from the Glazing Seal Caulk that is assumed to be continuous from the exterior to the interior and was assessed as described in the previous section, these two types of caulk materials are the only caulking/sealant materials observed on the interior of the curtain walls. The objective of the sampling was to determine whether these caulk materials contain PCBs.

Follow-up sampling to further define the extent of PCBs in adjacent building materials was conducted after initial caulk samples indicated some elevated concentrations of PCBs (> 50 ppm) in the two types of suspect interior caulk. ATC collected a sample set of building materials adjacent to the Side Corner Caulk from four locations inside the high-rise curtain walls (two each on the north and south sides). The samples sets were collected at the same locations as the four Side Corner Caulk samples collected in August 2011.

Each sample set consisted of three bulk concrete chip/dust samples and one metal curtain wall frame wipe sample. There are no other caulk/sealants near the Side Corner Caulk, and one wipe sample was viewed as sufficient, given the generally low PCB concentrations in wipe samples previously collected on the exterior of the curtain walls. The bulk concrete samples were collected at distances of one, six, and 12 inches horizontally away from the Side Corner Caulk. The metal frame wipe samples were collected adjacent to the Side Corner Caulk (at a distance of approximately two inches from the caulk). A photograph of a typical sample set is shown on ***Figure 3***.

ATC also collected one wipe sample from the metal frame next to two Louver Caulk samples that had been collected in August 2011. This caulk abuts only non-porous metal surfaces. The metal frame wipe samples were collected at a distance of approximately two inches from the Louver Caulk. A photograph of a typical louver wipe sample location is shown on ***Figure 2***.

All locations were accessible from the interior stairwell adjacent to each high-rise curtain wall. The caulk, concrete, and wipe samples were collected in the same manner as the exterior samples, as described in the previous section. The Louver Caulk was black, smooth, and rubbery, while the Side Corner Caulk was tan to off-white and somewhat brittle.

Samples were placed in sealed laboratory-supplied containers and labeled appropriately. Interior samples were submitted to Con-Test under chain-of-custody protocol and analyzed for PCB Aroclors, as described in the previous section.

3 NATURE AND EXTENT OF PCB CONTAMINATION

This Section of the Notification provides a summary of the media contaminated by PCBs and the extent of contamination in that media, as required by **40 CFR 761.61(a)(3)(i)(A)** and **40 CFR 761.61(a)(3)(i)(C)**.

3.1 RESULTS

The following discussion provides a summary of PCB results for indoor air and various building materials.

3.1.1 Indoor Air

The laboratory results for analysis of PCBs in indoor air is presented in ***Table 1***. The laboratory analytical report is provided in ***Appendix C***.

PCBs homologs were detected in eight of the 10 indoor air samples collected for analysis via EPA Method TO-10A/680, with total PCB concentrations (i.e. sum of all PCB homologs) ranging from 0.099 to 0.33 ug/m^3. The results were relatively consistent, all within one order of magnitude of each other. There does not seem to be a spatial trend to the sample results. Tetrachorobiphenyls, pentachlorobiphenyls, and hexachlorobiphenyls were detected in the samples. Detection limits for all homologs in all samples were </= 0.041 ug/m^3.

The detected concentrations are far below the OSHA 8-hour Permissible Exposure Limit (PEL) of 500 ug/m^3. The detected concentrations are also less than the guideline criteria of 0.450 ug/m^3 issued by U.S. EPA in 2009 for adults employed in schools. Therefore, there is no need for additional indoor air sampling or remediation at this time. In addition, these air samples are considered "worst-case", prior to remediation of PCB-containing materials.

PCBs were not detected in any of the 10 indoor air samples collected for analysis via NIOSH Method 5503. However, this analysis method results in a detection limit of 2 ug/m^3 (0.002 mg/m^3), higher than the EPA method and higher than the total PCB concentrations detected in the analysis using the EPA method.

3.1.2 Caulk/Glazing Sealant

The laboratory data for analysis of PCBs in caulk/glazing sealant are presented in ***Table 2***. The laboratory analytical reports are provided in ***Appendix C***. PCBs were detected in all caulk/glazing sealant samples. Apart from two samples (and a duplicate of one of those samples), Aroclor 1254 was the only Aroclor observed, which is common for PCBs in caulk. In the two noted samples (plus one duplicate), Aroclor 1260 was also observed, at a concentration roughly similar to Aroclor 1254. For each presumed homogeneous type of caulk, PCB data are summarized in the ***Table 3*** below.

Because of the elevated concentrations of Aroclor 1254 in most samples, the detection limit for remaining Aroclors was relatively high, which may mask the actual presence of these non-detected PCB Aroclors. However, this has no effect on remedial decisions, since a total PCB concentration greater than 50 ppm is the regulatory criteria for determining proper disposal methods.

Table 3: Summary of PCBs in Caulk/Sealant Materials

Homogeneous Caulk/Sealant Material	Minimum (ppm)	Maximum (ppm)	TSCA PCB Classification	Classification Reasoning
Exterior				
Side Joint Caulk	380	58,000	PCB Bulk Product Waste	Multiple samples > 50 ppm
Glazing Sealant	11	50,000 (2 adjacent samples); 170 maximum all other samples	PCB Remediation Waste	Proximity to Side Joint Caulk. Most samples below 170 ppm. Concentration trends down with distance from Side Joint Caulk. Only one location was above 170 ppm, which appears to be anomalous to this area and may be related to Side Joint Caulk.
Frame/Beam Caulk	6.8	66	PCB Remediation Waste	Proximity to Side Joint Caulk. Generally low PCB concentrations; only 1 sample slightly > 50 ppm
Glazing Seal Caulk – Exterior/Interior *	12	51	PCB Remediation Waste	Proximity to Side Joint Caulk. Generally low PCB concentrations; only 1 sample slightly > 50 ppm
Interior				
Louver Caulk	41	210	PCB Bulk Product Waste	Multiple samples > 50 ppm
Side Corner Caulk	38	300	PCB Bulk Product Waste	Multiple samples > 50 ppm

Concentrations in mg/kg (ppm)
*Continuous from interior to exterior

3.1.3 Concrete

The laboratory data for analysis of PCBs in concrete are presented in ***Table 2***. The laboratory analytical report is provided in ***Appendix C***. PCBs were detected in all but one of the exterior concrete samples, with detected total PCB concentrations ranging from 0.14 to 15 mg/kg (ppm). Aroclor 1254 was the only Aroclor observed, which matches the Aroclor observed in Side Joint Caulk, the presumed source of PCBs in exterior concrete. In general, concentrations decreased with distance from the Side Joint Caulk. At the only sample set location that is accessible to people (Location 9, at ground level; concrete at all other locations is out of reach), all four concrete samples had PCB concentrations of < 1 ppm. This may be due to the protected nature of the area under a canopy.

PCBs were detected in all of the interior concrete samples, with total PCB concentrations ranging from 1.1 to 9 mg/kg (ppm). Aroclor 1254 was the only Aroclor observed, which matches the Aroclor observed in interior caulk, the presumed source of PCBs in concrete.

3.1.4 Wipes

The laboratory data for analysis of PCBs in wipe samples is presented in ***Table 4***, attached. The laboratory analytical report is also attached. Wipe samples were performed on non-porous and porous surfaces. PCBs were detected in 19 of 36 wipe samples (excluding the blank samples).

Total detected PCB concentrations on non-porous surfaces ranged from 0.23 to 16 ug/100 cm^2. Aroclor 1254 was the only Aroclor observed, which matches the Aroclor observed in the caulk, the presumed source of PCBs in wipe samples. Only one wipe sample (5-W-F, from the glazing frame adjacent to the side joint caulk at Location 5) contained a concentration of total PCBs greater than 10 ug/100 cm^2, the most stringent TSCA cleanup criteria for non-porous surfaces such as metal glazing frames and glass.

Total PCB concentrations on porous surfaces ranged from 0.44 to 5.7 ug/100 cm^2. Aroclor 1254 was the only Aroclor observed, which matches the Aroclor observed in the caulk, the presumed source of PCBs in wipe samples. These samples were collected to get an indication of whether PCBs were present and are not used to determine concrete waste classification

3.2 QUALITY ASSURANCE

For quality assurance purposes, ATC collected various duplicate and blank samples for PCB analysis, including three duplicate bulk concrete samples, two duplicate wipe samples, one duplicate caulk/sealant sample, and two trip blank wipe samples. As shown in ***Tables 2*** and ***4*** the duplicate samples matched fairly closely with the original sample (Relative Percent Differences – RPD – were 0, 0, 6, 16, 67, and 79). The blank wipe samples showed non-detectable levels of PCBs, as expected.

Laboratory Quality Assurance issues, and a conclusion on the ramifications of quality assurance issues on data usability, are summarized in ***Table 5*** below. Note that only certain samples had the issues noted.

Table 5: Analytical Quality Assurance Issues

Analytical Parameter	Media	Type of QA Issue	Ramifications
Chloro-biphenyls (a.k.a. PCBs) (NIOSH 5503)	Indoor Air	Blank spike and blank spike duplicate recoveries for Aroclor 1254 were outside the control limits of 75-125%, at 129% and 126%, respectively.	None - results are valid since samples were all non-detect and bias is high.
PCB Aroclors (EPA 8082)	Caulk/ Sealant	Detection limit elevated due to dilutions required because of detected PCBs.	High detection limits may mask the actual presence of some PCB Aroclors that were reported as non-detect, but this would not change PCB waste classification. Reported PCB concentrations should be considered a minimum concentration. For samples where total PCB concentrations are greater than 50 ppm, elevated detection limits do not impact data usability.

Analytical Parameter	Media	Type of QA Issue	Ramifications
PCB Aroclors (EPA 8082)	Caulk/ Sealant	No surrogate recoveries due to dilutions required because of high detected PCBs.	None – elevated detected PCB concentrations not likely to change.
		Surrogate recoveries outside limits on confirmatory column, but within limits on primary column.	None.
	Concrete	For one batch of samples, the MS/MSD recovery was high due to difficulty of quantitating two spike Aroclors (1016 and 1260) when a different Aroclor (1254) is present.	None – all other QA criteria, including LC/LCS results, were normal. This is a common problem with the method.
	Wipes	For one batch of samples, the MS/MSD recovery was high due to difficulty of quantitating two spike Aroclors (1016 and 1260) when a different Aroclor (1254) is present.	None – all other QA criteria, including LC/LCS results, were normal. This is a common problem with the method.

All laboratory analytical results are viewed as valid and usable for the purposes of this TSCA clean-up plan.

4 SELF-IMPLEMENTING CLEAN-UP PLAN

This Section of the Notification details the clean-up plan, as required by **40 CFR 761.61(a)(3)(i)(D)**.

The objective of this clean-up plan is to remove and dispose of all PCB Bulk Product Waste and PCB Remediation Waste that is part of the curtain walls that are being replaced. The remaining concrete wall surface beneath the Side Joint Caulk and Side Corner Caulk beads will be cleaned. New curtain walls will be installed in the same locations and with similar construction details as the old curtain walls.

Exterior and interior concrete adjacent to the edges of the curtain walls are impacted with PCBs and are considered Remediation Waste. The source of the PCBs is considered to be Side Joint Caulk (exterior) and Side Corner Caulk (interior). PCBs in exterior and interior concrete are present at no more than 15 ppm and 9 ppm, respectively. Almost all areas of concrete impacted with PCBs are considered to be "low occupancy", with annual occupancy by any one person of less than 335 hours per year (average of 6.7 hours per week, given a 2-week vacation per year).

Impacted interior concrete is only present inside the high-rise curtain walls, which are stairwells. ATC views the stairwells as a low-occupancy area unlikely to be occupied by any person more than 6.7 hours per week, and believes that stairwells are consistent with the following example provided in the EPA's *Polychlorinated Biphenyl (PCB) Site Revitalization Guidance Under the*

Toxic Substances Control Act (TSCA), November 2005: "…the non-office space in a warehouse where occupancy is transitory".

Impacted exterior concrete is out-of-reach of people except for concrete that extends to the sidewalk adjacent to the south side low-rise curtain wall. There is a total of 16 linear feet of Side Joint Caulk (source of PCBs) on both sides of this curtain wall that is considered accessible to people (8 feet on each side, from the ground to a height of 8 feet above the sidewalk). At the accessible south side low-rise location, all concrete samples (Location 9) had PCB concentrations of < 1 ppm. These concentrations may be due to the protected nature of the area under a canopy, and are considered adequate to characterize accessible concrete in this area in accordance with TSCA. In addition, ATC believes it unlikely that the exterior areas in the vicinity of the curtain walls would be occupied by any one person for more than an average of 6.7 hours per week.

Therefore, the low-occupancy clean-up criteria of 25 ppm for a porous surface applies to almost all areas of the impacted interior and exterior concrete. The concrete at the south side low-rise location might potentially be considered accessible and therefore high occupancy, but all concrete samples representing this area were <1 ppm, the high-occupancy clean-up criteria. A deed restriction will be placed on the property to ensure that these conditions are maintained.

The primary steps of the self-implementing clean-up plan are:

1) Dismantle curtain walls. Remove caulk/sealant containing PCBs from the curtain wall materials and adjacent concrete walls, and dispose off-Site as a PCB Bulk Product Waste/PCB Remediation Waste with PCBs >/= 50 ppm;
2) Contractor shall have the option of either disposing of non-porous metal and glass curtain wall materials, without removing caulk, as combined PCB Bulk Product Waste/PCB Remediation Waste with PCBs >/= 50 ppm, OR cleaning metal and glass components after caulk/sealant has been removed and disposing as demolition debris. If cleaning non-porous components is the selected approach, confirmation wipe samples will be collected to ensure that remaining PCB concentrations on the surfaces of the non-porous materials are < 10 ug/100 cm^2. Note that any curtain wall components that are internal to the framing system, entirely covered by sheet metal and not in contact with any caulk/sealant material (such as the structural steel beams), do not need to be cleaned.
3) Clean the remaining concrete wall surface beneath the Side Joint Caulk and Side Corner Caulk beads physically with tools or chemically with a cleaning solution/solvent. Confirmation bulk samples will be collected from accessible areas to ensure that remaining PCB concentrations in the concrete are </= 25 ppm.
4) Install new curtain walls.
5) Record a deed notice for the property with the Registry of Deeds.

The abatement contractor will have the option to remove curtain wall glazing and frame materials in their entirety without removing the PCB-containing caulk/sealant, with disposal as a combined PCB Bulk Product Waste/PCB Remediation Waste, if it is determined that this is the most cost-effective method. The abatement contractor will develop the final abatement sequence.

The clean-up activities will be performed by qualified companies contracted by GSA. GSA is currently selecting a contractor to do the work. Once a contractor is selected, GSA will notify the EPA of the selected contractor.

The selected contractor will perform the project work in a manner to meet or exceed the means and methods presented in this Notification. The contractor will provide written certification that they understand and will comply with the requirements of this Notification and any EPA conditional approvals as applicable. The contractor will provide a detailed work plan to GSA after contract award. It is important to note that since some caulk also contains asbestos, asbestos abatement will occur in conjunction with PCB abatement that will bring its own worker safety, dust and waste management controls to the project.

Third party environmental oversight and review of the clean-up plan activities prior to, during, and after their performance will be performed. The third party inspector will monitor compliance with this Notification and any EPA conditional approvals.

4.1 PROCEDURES FOR IMPLEMENTATION

The primary steps of the self-implementing clean-up plan are detailed in the following subsections. The selected contractor will develop the final work sequence based upon the following proposed sequence. The contractor may also choose to remove curtain wall glazing (glass) and frame materials in their entirety without removing the PCB-containing caulk/sealant, with disposal as a combined PCB Bulk Product Waste/PCB Remediation Waste, if it is determined that this is the fastest, most cost-effective, and/or safest method.

4.1.1 Caulk/Sealant Removal

All caulk/sealants within the curtain wall project area will be removed. The extent of the caulk/sealants is described in Sections 2.3 and 3. An attempt will be made to remove the Side Joint Caulk on all curtain walls, and Side Corner Caulk on the high-rise curtain walls, prior to removal of the curtain wall itself. However, this may not be possible based on the physical structure of the building (such as pilasters in front of the joint on the high-rise curtain walls).

Most caulk/sealants will likely be removed after sections of the curtain wall are removed. Note that some of the caulk/sealant materials are considered Asbestos-Containing Material (ACM) and will be removed in accordance with Massachusetts asbestos regulations.

The curtain walls will likely be dismantled one or two floors at a time. Methods will be used to contain caulk/sealant material within the work area. Prior to removal of caulk and dismantling of the high-rise curtain walls, all entrances to the affected stairwell will be closed/sealed and any HVAC vents in the stairwell will be covered and sealed. Prior to removal of caulk and dismantling of the low-rise curtain walls, all occupied rooms abutting the section of the curtain wall to be dismantled will be vacated. A sealed enclosure will be installed around the work area, including polyethylene sheeting below the work area to contain all caulk that is removed in place. If any activities (such as

grinding) that have the potential to generate dust are conducted on PCB-impacted materials, equipment will be shrouded, with dust collection by HEPA-equipped vacuums.

Workers implementing the caulk/sealant removal work will wear appropriate PPE, including (but not limited to) gloves, rubber boots, tyvek suits, and safety glasses.

During caulk removal and curtain wall dismantling, ambient dust monitoring will be conducted both inside and outside the building, outside the work area containments. Prior to the beginning of project work, background dust readings will be collected for both outside and inside environments. During project work, dust readings will be collected daily. Any readings greater than two times the background level will prompt a work stoppage to determine the reason for the elevated dust levels. The source of the dust, if determined to be associated with the project, will be corrected before work resumes.

Following removal of caulk/sealants, remaining surfaces that were in contact with the caulk/sealants (including concrete, glazing, and metal frames) will be inspected visually to ensure that no caulk/sealant is left. All surfaces (including, but not limited to, landing floors, stairs, and hand rails) inside the work area enclosure will be HEPA-vacuumed and cleaned with a cloth wetted with a solvent designed to remove PCBs.

The caulk/sealant waste generated under this task will be managed as a combined PCB Bulk Product Waste/PCB Remediation Waste with PCBs >/= 50 ppm, as described in Section 4.2. Some of the caulk materials will also be managed as an asbestos waste. Tools used to remove the caulk/sealants will either be decontaminated at the end of work or disposed of as PCB Remediation Waste. Loose wastes generated under this task shall be transported from location of generation to the waste containers/dumpsters on the ground in minimum 6-mil doubled plastic bags. Larger curtain wall components, with or without adhered caulk/sealants, shall be double-wrapped in minimum 6-mil polyethylene sheeting, duct-shaped closed, before being lowered to the ground.

4.1.2 Cleaning of Curtain Wall Materials

If the contractor does not choose to dispose of non-porous metal and glass curtain wall materials, without removing caulk, as PCB Bulk Product Waste/PCB Remediation Waste with PCBs >/= 50 ppm, cleaning these components will be conducted as outlined in this section. Note that any curtain wall components that are internal to the framing system, entirely covered by sheet metal and not in contact with any caulk/sealant material (such as the structural steel beams), do not need to be cleaned.

The cleaning will be conducted using an appropriate solvent designed to remove PCBs, and include scrubbing with rags or abrasive pads as necessary. The specific cleaning solution/solvent will be selected by the chosen contractor in consultation with GSA. The cleaning will remove any residual PCBs that may be on the surface of the non-porous curtain wall components. It is likely that most cleaning will be conducted after curtain wall components have been lowered to the ground, in a designated work zone. Note that all but one wipe sample collected to-date on curtain wall components had concentrations below the TSCA clean-up criteria of 10 ug/100 cm^2, and in most cases far below that criteria. Therefore, significant cleaning will only be needed on portions of the non-

porous surfaces beneath and immediately next to caulk/sealant materials. Particular attention will be paid to the metal curtain wall frames abutting the exterior Side Joint Caulk that has high PCB concentrations.

Work methods will be selected to contain cleaning solutions/solvents and prevent their release to the environment. This will likely include use of plastic sheeting/decontamination pads underneath all work areas.

Workers implementing the curtain wall material cleaning work will wear appropriate PPE, including (but not limited to) gloves, rubber boots, tyvek suits, and safety glasses.

Any cleaning solution or solvent used will be collected and stored in appropriate storage containers. The residual cleaning solution/solvent will be disposed of as PCB-contaminated liquids. Used rags/pads/brushes will be placed in containers for disposal as PCB Clean-up Waste < 50 ppm. Loose wastes generated under this task shall be transported from location of generation to the waste containers/dumpsters on the ground in minimum 6-mil doubled plastic bags or appropriate enclosed containers (for liquids). Waste management is further detailed in Section 4.2.

Confirmation wipe samples will be collected to ensure that remaining PCB concentrations on the surfaces of the non-porous curtain wall materials are < 10 ug/100 cm^2. Wipe samples will be collected in accordance with standard EPA protocols, which include using a one-time-use disposable template to outline a 100 cm^2 sample area and wiping the area one time across the full width of the sample area in each direction using a hexane-wetted gauze pad and moderate finger pressure. The gauze pads will be placed in laboratory-supplied sample jars and submitted to a laboratory for analysis of PCB Aroclors using EPA Method 8082 with extraction by EPA Method 3540C (Soxhlet). For the first five rows of curtain wall panes (two rows per floor, see ***Figures 2*** and ***3***) on each curtain wall, one glazing (glass) wipe sample and one metal frame wipe sample will be collected. To ensure that the results are conservative, the wipe samples will be collected from an area of the surface that was previously covered with a caulk bead. This sampling will confirm that the cleaning methods being used are sufficient to meet clean-up objectives. Once cleaning methods are proven to meet clean-up objectives, one glazing (glass) wipe sample and one metal frame wipe sample will be collected every fifth row. One duplicate sample will be collected for every 20 wipe samples, and one blank sample will be collected for the complete project. Total estimated minimum number of samples is 47.

If any of the confirmation samples has a total PCB concentration of > 10 ug/100 cm^2, the glass and/or metal frame material represented by that confirmation sample (each row during initial cleaning activities, or five consecutive rows thereafter) will be re-cleaned, and re-sampled to confirm that it meets clean-up objectives or managed as PCB Remediation Waste.

Once all curtain wall non-porous materials reach a residual PCB level of < 10 ug/100 cm^2, they can be disposed of as regular construction debris.

4.1.3 Cleaning of Remaining Concrete Wall Surfaces

The concrete wall adjacent to the PCB-containing Side Joint Caulk (exterior) and Side Corner Caulk (interior) has been shown to contain PCB concentrations < 25 ppm. To remove residual caulk particles from the concrete after the curtain wall has been dismantled, the concrete will be cleaned. Note that impacted concrete under the caulk bead will be re-covered with the new curtain wall.

Cleaning of the concrete wall surface beneath and, as a conservative measure, at least one inch on either side of the caulk beads will be conducted. The cleaning will be conducted using cleaning solution/solvents, or physical removal tools such as a wire brush, buffer, or grinder to physically remove a thin layer of concrete (estimated < 1/8-inch). The specific cleaning method will be selected by the chosen contractor in consultation with GSA, after initial field testing for ease of implementation and effectiveness. Given the relatively low concentrations of PCBs in the Side Corner Caulk (interior), sporadic nature of the caulk, and thinness of the caulk bead, the cleaning under this caulk material will likely need to be minimal, and therefore is likely to be chemical using a cleaning solution/solvent. It is more likely that the cleaning under the Site Joint Caulk (exterior) will involve physical scraping.

If a cleaning solution/solvent is used, work methods will be selected to minimize amount of solvents used and to contain cleaning solutions/solvents and prevent their release to the environment. This will likely include use of plastic sheeting/decontamination pads underneath all work areas. If physical removal methods are used, work methods will be selected to reduce the amount of dust generated to the extent practicable, and release of dust will be minimized using shrouded, dust-collecting power tools with a HEPA filter.

Workers implementing the concrete cleaning work will wear appropriate PPE, including (but not limited to) gloves, rubber boots, tyvek suits, and safety glasses.

Any waste generated, including used cleaning solution/solvent, will be collected and stored in appropriate storage containers. The residual cleaning solution/solvent will be disposed of as PCB-contaminated liquid. Used rags/pads/brushes/plastic sheeting will be placed in containers for disposal as PCB Clean-up Waste < 50 ppm. Any dust generated from concrete cleaning will be managed as PCB Remediation Waste with PCBs >/= 50 ppm. Tools used in the cleaning will either be decontaminated at the end of work or disposed of as PCB Remediation Waste < 50 ppm. Loose wastes generated under this task shall be transported from location of generation to the waste containers/dumpsters on the ground in minimum 6-mil doubled plastic bags or appropriate enclosed containers (for liquids). Waste management is further detailed in Section 4.2.

The target PCB concentration for remaining PCB Remediation Waste is </= 25 ppm. Confirmation bulk samples will be collected to ensure that post-remedial residual PCB concentrations in accessible concrete wall materials (high-rise stairwells) meet this objective. The sampling will be conducted in general accordance with 40 CFR 761.280 [Subpart O]. Sampling frequency for the Side Corner Caulk (interior) will be as follows: For each vertical joint, one sample will be collected from an accessible location on every floor for the first 10 floors completed and, assuming that all initial results are < 25 ppm, every two stories thereafter. Total estimated minimum number of samples is 68.

One duplicate sample will be collected for every 20 bulk concrete samples. Sampling methods will be as previously described in Section 2.3.2, in accordance with the EPA document *Standard Operating Procedures for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs), EPA New England - Region I, May 5, 2011*. The samples will be placed in laboratory-supplied sample jars and submitted to a laboratory for analysis of PCB Aroclors using EPA Method 8082 with extraction by EPA Method 3540C (Soxhlet).

If any of the confirmation samples has a total PCB concentration of > 25 ppm, additional cleaning of concrete will be conducted of the strip of concrete represented by that sample (between the two samples above and below the sample that is > 25 ppm). Following re-cleaning, another confirmation sample will be collected and analyzed.

4.1.4 Post-Remedial Indoor Air Sampling

Following completion of the curtain wall project, post-remedial indoor air samples will be collected to ensure that indoor air PCB concentrations remain below levels of concern. The sampling procedures will mimic those outlined in Section 2.3.1, but samples will only be collected and analyzed using EPA Method TO-10A/680 (homologs). One sample will be collected from behind each curtain wall (high-rise stairwells, and low-rise offices). The samples will be collected and analyzed to ensure a minimum detection limit of 0.1 ug/m^3 is achieved. The results will be compared to the guideline criteria of 0.450 ug/m^3 issued by U.S. EPA in 2009 for adults employed in schools.

4.1.5 Deed Notice

Prior to completing the field work, GSA will submit a draft deed notice to the EPA for review and approval. Within 60 days of completion of the activities outlined in this clean-up plan, or receipt of the EPA's deed notice approval, whichever comes later, GSA will record a deed notice for the Site property.

The deed notice will follow the TSCA requirements outlined at 40 CFR 761.61(a)(8), and will inform any potential future purchaser of the property that:

1) PCBs remain in the concrete wall surfaces close to the curtain walls;
2) The stairwells behind the high-rise curtain walls must remain a low-occupancy area;
3) Proper work practices must be used when performing maintenance or repairs of the concrete wall surfaces close to the curtain walls; and
4) Proper removal and disposal of remaining PCB-impacted concrete is required upon demolition of the building.

Following recording of the deed notice, GSA will submit a copy of the deed notice, along with certification that the deed notice has been recorded with the registry of deeds, to the EPA.

4.2 WASTE MANAGEMENT

The types of waste that will be generated during the remedial work described in Section 4.1 include PCB-containing caulk/sealants (PCB Bulk Product Wastes and PCB Remediation Wastes), cleaning solution, used absorbents and rags, PPE, and containment materials (PCB Remediation Wastes).

PCB Bulk Product Waste and PCB Remediation Waste will be stored in appropriate containers, covered and secured in accordance with 40 CFR 761.65. PCB waste containers will be placed in a secure location approved by GSA and will be placarded on all sides as containing PCB waste with markings meeting the requirements of 40 CFR 761.40 and 761.45, as required.

Any liquids generated during this program will be managed in accordance with 40 CFR 761.61(a)(iv).

PCB Cleanup Waste (e.g. PPE, containment material, non-decontaminated tools) will be managed in accordance with 40 CFR 40.761.61(a)(5)(v).

Disposal of all waste will be in accordance with applicable state and federal regulations and in accordance with 40 CFR 761.61 and 761.62. The waste will be shipped by a licensed transporter and sent to licensed facilities that will receive and dispose PCB Bulk Product Waste and PCB Remediation Waste, in accordance with EPA regulations. The PCB Bulk Product Waste and PCB Remediation Waste >/= 50 ppm will be shipped under a Uniform Hazardous Waste Manifest. If PCB Bulk Product Wastes such as sealants are to be managed at an out of state RCRA facility in accordance with TSCA, exemption to the Massachusetts Hazardous Waste Regulations requirement to use a Uniform Hazardous Waste Manifest may be requested from the Massachusetts Department of Environmental Protection. Any PCB Remediation Waste < 50 ppm that is generated (PPE, containment materials, tools, etc.) may be shipped under a Non-Hazardous Waste Manifest instead of a hazardous waste manifest. Copies of all bills of landing, waste shipment records, and certificates of disposal will be provided to GSA as proof of proper disposal.

4.3 SCHEDULE FOR IMPLEMENTATION

In accordance with the TSCA regulations at 40 CFR 761.61(a)(3), GSA plans to begin implementation of the plan outlined in this Notification after a 30-day review period by the U.S. EPA, unless comments are received from the PCB coordinator of the U.S. EPA - Region 1 before the end of that review period.

GSA estimates that the work outlined in this Notification will take approximately six months.

4.4 STATE OR LOCAL PERMITS AND APPROVALS

State and/or local permits and/or inspections will not be necessary specifically for PCB abatement activities. Permits will be obtained as required for any renovation and asbestos abatement projects. Per 40 CFR 761.61(a)(3)(i), the director of the Massachusetts DEP and the executive director of the Boston Public Health Commission have been copied on this Notification.

5 GSA CERTIFICATION

This Section of the Notification provides the certification required by **40 CFR 761.61(a)(3)(i)(E)**.

I certify that the Self-Implementing Clean-up Plan proposed in this document will meet the following requirements:

> All sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are or will be on file at the following location and are available for U.S. EPA inspection:
>
> John F. Buckley
> Senior Project Manager
> United States General Services Administration
> 10 Causeway Street
> Boston, MA 02222
> Telephone: 617-428-4502
> E-mail: john.buckley@gsa.gov

John F Buckley
Name (Printed)

John F Buckley
Signature

Senior Project Manager / GSA
Title

11/8/2011
Date

Figures

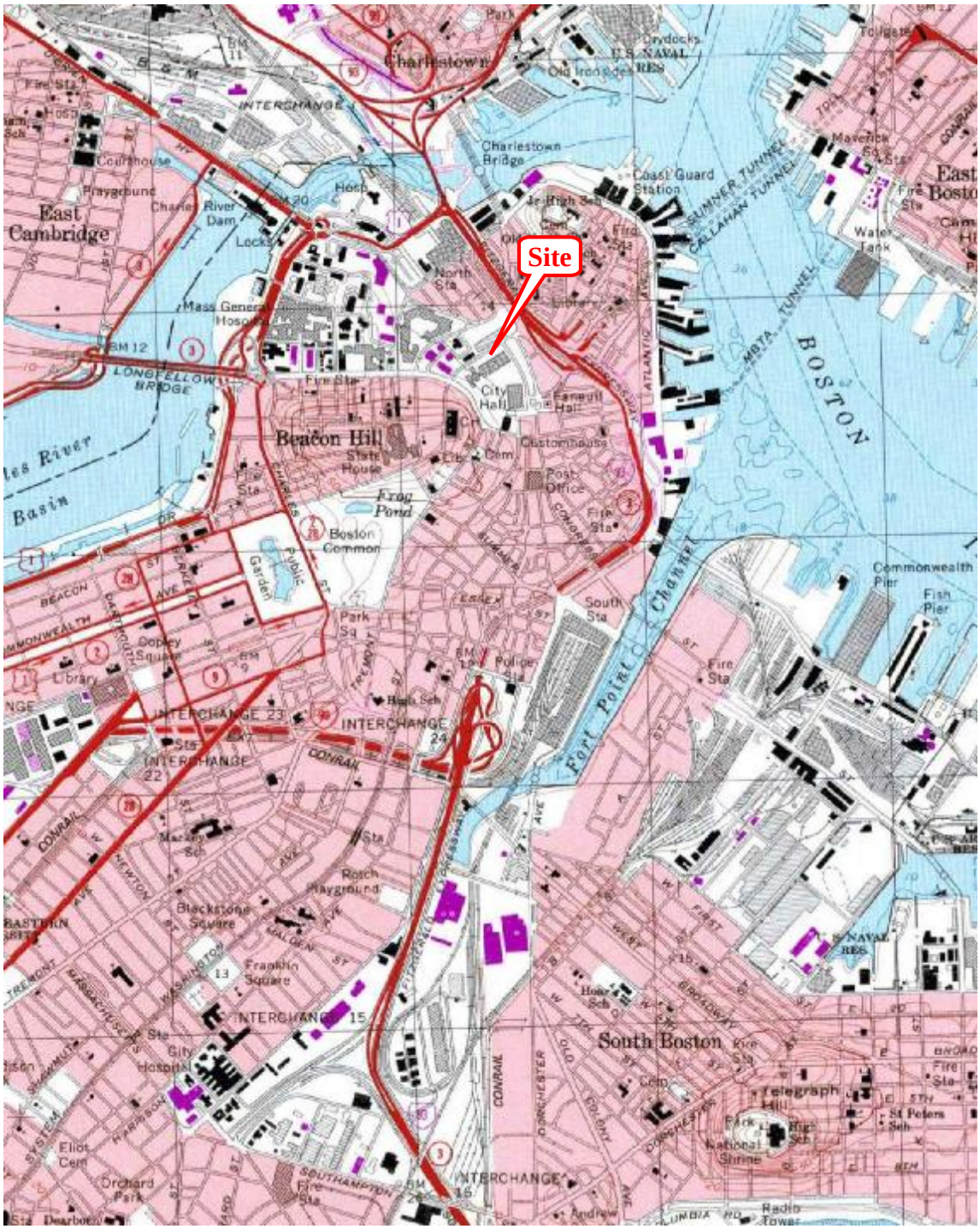


Figure 1: Site Vicinity Map

Source:
Environmental Data Resources Inc.
USGS 7.5 Minute
Boston South, MA Quadrangle Map
Scale: 1:25,000
(1979)

ATC ASSOCIATES INC

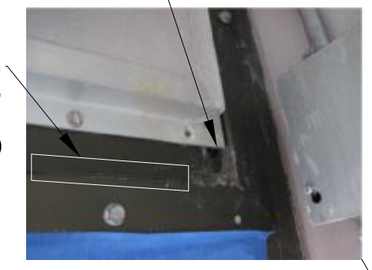
JFK Federal Building
New Sudbury Street
Boston, Massachusetts

TOP OF PILASTER CONCRETE SAMPLE (5-C-TOP PILASTER)

DETAIL TOP OF PILASTER (TYP.)

LOUVER CAULK SAMPLE (7-N-CAULK-LOUVER)

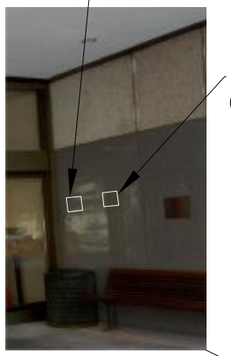
FRAME WIPE (7-N-LOUVER -W-F)



DETAIL LOUVER (TYP.)

WIPE (3-W-GRANITE-1 FT)

WIPE (3-W-GRANITE-4 FT)



DETAIL GRANITE

CONCRETE SAMPLES

1-INCH (4-C-1)

3-INCH (4-C-3)

6-INCH (4-C-6-)

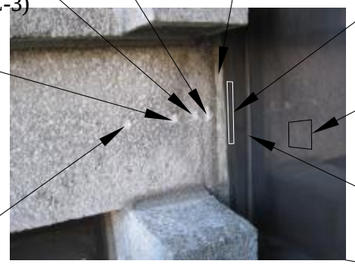
12-INCH (4-C-12)

ORIGINAL SIDE CAULK SAMPLE (4-B)

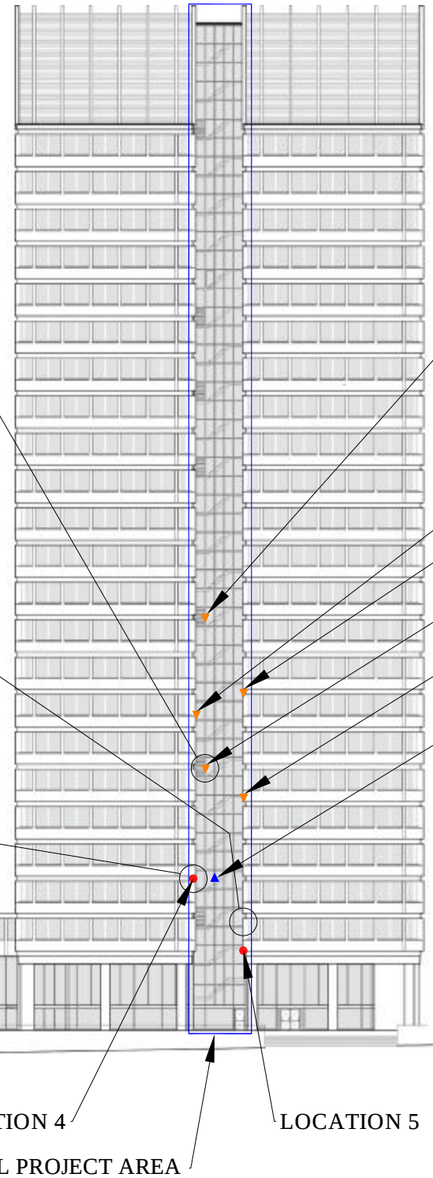
FRAME WIPE (4-W-F)

GLASS WIPE (4-W-W)

GLAZING SEALANT SAMPLE (4-G)



DETAIL LOCATION 4 (TYP.)



LEGEND:

- HIGH-RISE MIDDLE CURTAIN WALL SAMPLE SET (SEE DETAIL)
- LOCATION OF EXTERIOR SIDE CAULK JOINT SAMPLE (NO SAMPLE SET)
- EXTERIOR SIDE CAULK JOINT SAMPLE SET (SEE DETAIL)
- LOCATION OF INTERIOR SAMPLE SET (SEE DETAIL)

SAMPLE LOCATIONS

NORTH ELEVATION

JFK FEDERAL BUILDING
BOSTON, MASSACHUSETTS

PROJECT NUMBER: 060.41885.0001	FIGURE NUMBER: 2
SCALE: NTS	CHECKED BY: DW
DRAWN BY: RM	REVISED BY:
DRAWING FILE: JFK FEDERAL BUILDING	

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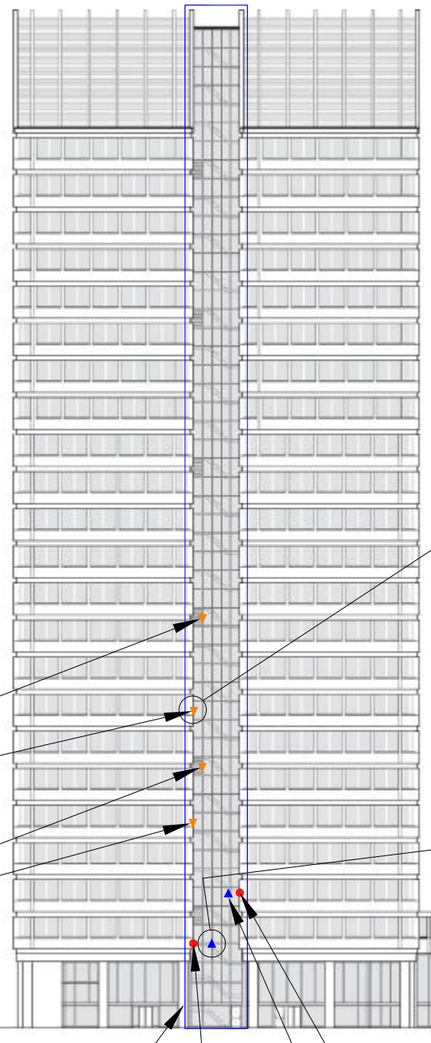
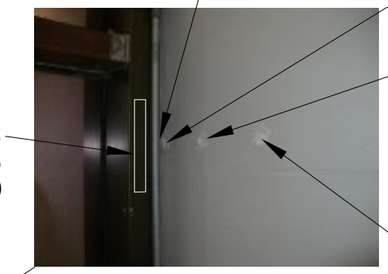
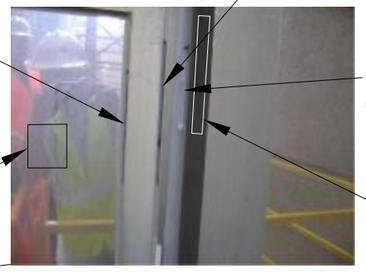


11-S-LOUVER
9-S-W
7-S-LOUVER
6-S-W
CURTAIN WALL PROJECT AREA
LOCATION 7
LOCATION 8
MIDDLE LOCATION 8



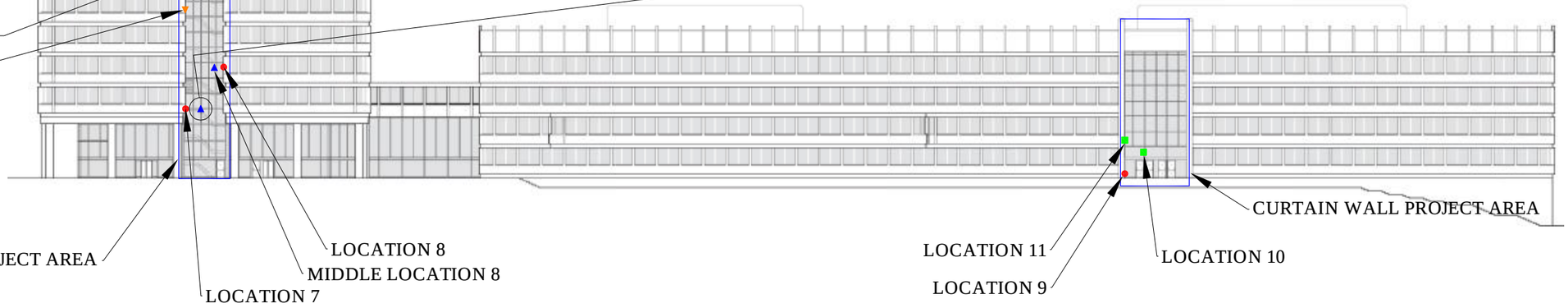
ORIGINAL SIDE CORNER CAULK SAMPLE (9-S-CAULK-W)
1-INCH (9-S-W-C-1")
6-INCH (9-S-W-C-6")
12-INCH (9-S-W-C-12")
FRAME WIPE (9-S-W-W-F)
CONCRETE SAMPLES

DETAIL 9-S-W (TYP.)



GLAZING SEAL CAULK SAMPLE (7-MIDDLE-CAULK-WINDOW SEAL)
GLAZING SEALANT SAMPLE (7-MIDDLE-G)
FRAME / BEAM CAULK SAMPLE (7-MIDDLE-CAULK-FRAME / BEAM)
GLASS WIPE SAMPLE (7-MIDDLE-W-W)
FRAME WIPE SAMPLE (7-MIDDLE-W-F)

DETAIL MIDDLE LOCATION 7 (TYP.)



CURTAIN WALL PROJECT AREA
LOCATION 11
LOCATION 9
LOCATION 10

LEGEND:
- HIGH-RISE MIDDLE CURTAIN WALL SAMPLE SET (SEE DETAIL)
- LOCATION OF EXTERIOR SIDE CAULK JOINT SAMPLE (NO SAMPLE SET)
- EXTERIOR SIDE CAULK JOINT SAMPLE SET (SEE DETAIL)
- LOCATION OF INTERIOR SAMPLE SET (SEE DETAIL)

SAMPLE LOCATIONS
SOUTH ELEVATION

JFK FEDERAL BUILDING
BOSTON, MASSACHUSETTS

PROJECT NUMBER: 060.41885.0001	FIGURE NUMBER: 3
SCALE: NTS	CHECKED BY: DW
DRAWN BY: RM	REVISED BY:
DRAWING FILE: SAMPLE LOCATIONS	

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Tables

Table 1
PCB Analytical Results: Indoor Air Sampling
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts

Location	High-Rise, 10th Floor, South Stairwell	High-Rise, 10th Floor, By North Stairwell	High-Rise, 4th Floor, By South Stairwell	High-Rise, 4th Floor, North Stairwell	Low-Rise, 3rd Floor, North Side Middle	Low-Rise, 2nd Floor, South Side Middle	Low-Rise, Ground Floor, Lobby	Low-Rise, 1st Floor, Lobby	High-Rise, 1st Floor, Lobby North Side	High-Rise, 1st Floor, Lobby South Side
Sample Date	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011	6/16/2011
Figure ID	1	2	3	4	5	6	7	8	9	10
Sample ID	01A-FL 10	02A-FL 10	03A-FL 4	04A-FL 4	05A-N. Side	06A-S. Side	07A-G. Fl.	08A-FL 1	09A-FL 1	10A-FL 1
Chlorobiphenyls (NIOSH 5503)										
Total Sample Time (min)	122	131	149	155	140	123	122	122	124	121
Total Sample Volume (L)	24.4	26.2	29.8	31.0	28.0	24.6	24.4	24.4	24.8	24.2
Total PCBs	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PCB Homologs (Extraction Method EPA TO-10A, Analysis Method EPA 608)										
Total Sample Time (min)	123	128	141	151	112	117	122	122	121	121
Total Sample Volume (L)	246	256	282	302	224	234	244	244	242	242
Monochlorobiphenyls	<.0081	<.0078	<.0071	<.0066	<.0089	<.0085	<.0082	<.0082	<.0083	<.0083
Dichlorobiphenyls	<.0081	<.0078	<.0071	<.0066	<.0089	<.0085	<.0082	<.0082	<.0083	<.0083
Trichlorobiphenyls	<.0081	<.0078	<.0071	<.0066	<.0089	<.0085	<.0082	<.0082	<.0083	<.0083
Tetrachlorobiphenyls	<.016	0.045	0.038	0.12	0.086	0.1	0.079	<.016	0.087	0.039
Pentachlorobiphenyls	<.016	0.095	0.054	0.19	0.11	0.14	0.11	<.016	0.14	0.061
Hexachlorobiphenyls	<.016	0.022	<.014	0.025	<.018	0.021	<.016	<.016	0.026	<.017
Heptachlorobiphenyls	<.024	<.023	<.021	<.020	<.027	<.026	<.025	<.025	<.025	<.025
Octachlorobiphenyls	<.024	<.023	<.021	<.020	<.027	<.026	<.025	<.025	<.025	<.025
Nonachlorobiphenyls	<.041	<.039	<.035	<.033	<.045	<.043	<.041	<.041	<.041	<.041
Decachlorobiphenyl	<.041	<.039	<.035	<.033	<.045	<.043	<.041	<.041	<.041	<.041
Total Homologs	*ND*	*0.16*	*0.092*	*0.33*	*0.2*	*0.27*	*0.19*	*ND*	*0.26*	*0.099*

Notes:
All concentrations in ug/m3
Bold values indicate detected concentration
ND = Not Detected
NA = Not Analyzed

TABLE 2
PCB Analytical Results: Caulk/Sealant and Concrete
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts

						PCB Aroclor Results (by EPA Method 8082)												
						1016	1221	1232	1242	1248	1254	1260	1262	1268	Total PCBs	QA/QC Review (see footnotes)		
Sample ID	**Figure Location Number**	**Material**	**Location**	**Depth (inches)**	**Sample Date**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**ACM?**	**PCB Waste Determination**
Caulk/Glazing Samples																		
1-B	1	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<940	<940	<940	<940	<940	**11,000**	<940	<940	<940	**11,000**	(A)	Yes	Bulk Product Waste
2-B	2	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<980	<980	<980	<980	<980	**20,000**	<980	<980	<980	**20,000**	(A)	Yes	Bulk Product Waste
3-B	3	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<1800	<1800	<1800	<1800	<1800	**23,000**	<1800	<1800	<1800	**23,000**	(A)	Yes	Bulk Product Waste
4-B	4	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<1900	<1900	<1900	<1900	<1900	**27,000**	<1900	<1900	<1900	**27,000**	(A)	Yes	Bulk Product Waste
5-B	5	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<1800	<1800	<1800	<1800	<1800	**28,000**	<1800	<1800	<1800	**28,000**	(A)	Yes	Bulk Product Waste
7-B	7	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<4600	<4600	<4600	<4600	<4600	**58,000**	<4600	<4600	<4600	**58,000**	(A)	Yes	Bulk Product Waste
8-B	8	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<86	<86	<86	<86	<86	**380**	<86	<86	<86	**380**	(A)	Yes	Bulk Product Waste
9-B	9	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<960	<960	<960	<960	<960	**17,000**	<960	<960	<960	**17,000**	(A)	Yes	Bulk Product Waste
10-B	10	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<960	<960	<960	<960	<960	**11,000**	<960	<960	<960	**11,000**	(A)	Yes	Bulk Product Waste
11-B	11	Side Joint Caulk	Ext. Side Joint	NA	6/16/2011	<1700	<1700	<1700	<1700	<1700	**23,000**	<1700	<1700	<1700	**23,000**	(A)	Yes	Bulk Product Waste
3-G	3	Glazing Sealant*	Above Ext. Entrance Door	NA	8/8/2011	<9900	<9900	<9900	<9900	<9900	**22,000**	<9900	<9900	<9900	**22,000**	(A)	No	Remediation Waste
3-G-2 (2nd Sample)	3	Glazing Sealant*	Above Ext. Entrance Door	NA	8/20/2011	<3800	<3800	<3800	<3800	<3800	**50,000**	<3800	<3800	<3800	**50,000**	(A)	No	Remediation Waste
4-G	4	Glazing Sealant*	Near Ext. Side Joint	NA	8/20/2011	<19	<19	<19	<19	<19	**130**	<19	<19	<19	**130**	(A)	No	Remediation Waste
5-G	5	Glazing Sealant*	Near Ext. Side Joint	NA	8/17/2011	<9.9	<9.9	<9.9	<9.9	<9.9	**42**	**26**	<9.9	<9.9	**68**	(A)	No	Remediation Waste
5-G-2 (Duplicate)	5	Glazing Sealant*	Near Ext. Side Joint	NA	8/17/2011	<9.2	<9.2	<9.2	<9.2	<9.2	**32**	**26**	<9.2	<9.2	**58**	(A)	No	Remediation Waste
7-G	7	Glazing Sealant*	Near Ext. Side Joint	NA	8/9/2011	<3.8	<3.8	<3.8	<3.8	<3.8	**21**	<3.8	<3.8	<3.8	**21**		No	Remediation Waste
8-G	8	Glazing Sealant*	Near Ext. Side Joint	NA	8/9/2011	<0.87	<0.87	<0.87	<0.87	<0.87	**11**	<0.87	<0.87	<0.87	**11**		No	Remediation Waste
9-G	9	Glazing Sealant*	Near Ext. Side Joint	NA	8/8/2011	<46	<46	<46	<46	<46	**170**	<46	<46	<46	**170**	(A)	No	Remediation Waste
4-Middle-G	4	Glazing Sealant*	Ext. Middle of Curtain Wall	NA	8/17/2011	<8.9	<8.9	<8.9	<8.9	<8.9	**21**	<8.9	<8.9	<8.9	**21**	(A)	No	Remediation Waste
7-Middle-G	7	Glazing Sealant*	Ext. Middle of Curtain Wall	NA	8/9/2011	<3.8	<3.8	<3.8	<3.8	<3.8	**12**	<3.8	<3.8	<3.8	**12**		No	Remediation Waste
8-Middle-G	8	Glazing Sealant*	Ext. Middle of Curtain Wall	NA	8/9/2011	<0.98	<0.98	<0.98	<0.98	<0.98	**14**	<0.98	<0.98	<0.98	**14**		No	Remediation Waste
11-S-Caulk-Louver	11th Floor	Louver Caulk	Int. Hi-Rise 11th Fl S. Side	NA	8/17/2011	<8.9	<8.9	<8.9	<8.9	<8.9	**93**	<8.9	<8.9	<8.9	**93**	(A)	No	Bulk Product Waste
11-N-Caulk-Louver	11th Floor	Louver Caulk	Int. Hi-Rise 11th Fl N. Side	NA	8/17/2011	<9.2	<9.2	<9.2	<9.2	<9.2	**41**	<9.2	<9.2	<9.2	**41**	(A)	No	Bulk Product Waste**
7-N-Caulk-Louver	7th Floor	Louver Caulk	Int. Hi-Rise 7th Fl N. Side	NA	8/17/2011	<39	<39	<39	<39	<39	**210**	<39	<39	<39	**210**	(A)	No	Bulk Product Waste
7-S-Caulk-Louver	7th Floor	Louver Caulk	Int. Hi-Rise 7th Fl S. Side	NA	8/17/2011	<39	<39	<39	<39	<39	**95**	<39	<39	<39	**95**	(A)	No	Bulk Product Waste
6-B	6	Side Corner Caulk	Int. Hi-Rise 6th Fl N. Side	NA	6/16/2011	<18	<18	<18	<18	<18	**38**	<18	<18	<18	**38**	(A)	Yes	Bulk Product Waste**
9/10-N-Caulk-W	9/10th Fl	Side Corner Caulk	Int. Hi-Rise 9th/10th Fl N.	NA	8/17/2011	<91	<91	<91	<91	<91	**300**	<91	<91	<91	**300**	(A)	Yes	Bulk Product Waste
9-N-Caulk-E	9th Floor	Side Corner Caulk	Int. Hi-Rise 9th Fl N. Side	NA	8/17/2011	<9.4	<9.4	<9.4	<9.4	<9.4	**42**	<9.4	<9.4	<9.4	**42**	(A)	Yes	Bulk Product Waste**
9-S-Caulk-W	9th Floor	Side Corner Caulk	Int. Hi-Rise 9th Fl S. Side	NA	8/17/2011	<36	<36	<36	<36	<36	**81**	<36	<36	<36	**81**	(A)	Yes	Bulk Product Waste
6-S-Caulk-W	6th Floor	Side Corner Caulk	Int. Hi-Rise 6th Fl S. Side	NA	8/17/2011	<37	<37	<37	<37	<37	**88**	<37	<37	<37	**88**	(A)	Yes	Bulk Product Waste
4-Middle-Caulk Frame/Beam	4	Frame/Beam Caulk	Ext. Middle of Curtain Wall	NA	8/17/2011	<10	<10	<10	<10	<10	**25**	**41**	<10	<10	**66**	(A)	No	Remediation Waste
7-Middle-Caulk-Frame/Beam	7	Frame/Beam Caulk	Ext. Middle of Curtain Wall	NA	8/9/2011	<0.87	<0.87	<0.87	<0.87	<0.87	**12**	<0.87	<0.87	<0.87	**12**		No	Remediation Waste
8-Middle-Caulk-Frame/Beam	8	Frame/Beam Caulk	Ext. Middle of Curtain Wall	NA	8/9/2011	<0.94	<0.94	<0.94	<0.94	<0.94	**6.8**	<0.94	<0.94	<0.94	**6.8**		No	Remediation Waste
4-Middle-Caulk Window Seal	4	Glazing Seal Caulk	Ext. Middle of Curtain Wall	NA	8/17/2011	<8.9	<8.9	<8.9	<8.9	<8.9	**51**	<8.9	<8.9	<8.9	**51**	(A)	No	Remediation Waste
7-Middle-Caulk-Window Seal	7	Glazing Seal Caulk	Ext. Middle of Curtain Wall	NA	8/9/2011	<0.93	<0.93	<0.93	<0.93	<0.93	**12**	<0.93	<0.93	<0.93	**12**		No	Remediation Waste
8-Middle-Caulk-Window Seal	8	Glazing Seal Caulk	Ext. Middle of Curtain Wall	NA	8/9/2011	<0.90	<0.90	<0.90	<0.90	<0.90	**16**	<0.90	<0.90	<0.90	**16**	(B)	No	Remediation Waste

TABLE 2
PCB Analytical Results: Caulk/Sealant and Concrete
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts

						PCB Aroclor Results (by EPA Method 8082)												
Sample ID	Figure Location Number	Material	Location	Depth (inches)	Sample Date	1016 mg/kg	1221 mg/kg	1232 mg/kg	1242 mg/kg	1248 mg/kg	1254 mg/kg	1260 mg/kg	1262 mg/kg	1268 mg/kg	Total PCBs mg/kg	QA/QC Review (see footnotes)	ACM?	PCB Waste Determination
Concrete Samples																		
3-C-1	3	Concrete	Ext. 1" from Side Joint	0-0.5	8/8/2011	<1.0	<1.0	<1.0	<1.0	<1.0	**10**	<1.0	<1.0	<1.0	**10**		NA	Remediation Waste
3-C-3	3	Concrete	Ext. 3" from Side Joint	0-0.5	8/8/2011	<1.0	<1.0	<1.0	<1.0	<1.0	**7.3**	<1.0	<1.0	<1.0	**7.3**		NA	Remediation Waste
3-C-6	3	Concrete	Ext. 6" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**1.1**	<0.10	<0.10	<0.10	**1.1**		NA	Remediation Waste
3-C-12	3	Concrete	Ext. 12" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**1.1**	<0.10	<0.10	<0.10	**1.1**		NA	Remediation Waste
4-C-1	4	Concrete	Ext. 1" from Side Joint	0-0.5	8/17/2011	<1.7	<1.7	<1.7	<1.7	<1.7	**9.1**	<1.7	<1.7	<1.7	**9.1**		NA	Remediation Waste
4-C-3	4	Concrete	Ext. 3" from Side Joint	0-0.5	8/17/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**2.2**	<0.50	<0.50	<0.50	**2.2**		NA	Remediation Waste
4-C-6	4	Concrete	Ext. 6" from Side Joint	0-0.5	8/17/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.85**	<0.10	<0.10	<0.10	**0.85**		NA	None
4-C-12	4	Concrete	Ext. 12" from Side Joint	0-0.5	8/17/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**0.41**	<0.095	<0.095	<0.095	**0.41**		NA	None
5-C-1	5	Concrete	Ext. 1" from Side Joint	0-0.5	8/17/2011	<1.7	<1.7	<1.7	<1.7	<1.7	**15**	<1.7	<1.7	<1.7	**15**		NA	Remediation Waste
5-C-3	5	Concrete	Ext. 3" from Side Joint	0-0.5	8/17/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.78**	<0.10	<0.10	<0.10	**0.78**		NA	None
5-C-6	5	Concrete	Ext. 6" from Side Joint	0-0.5	8/17/2011	<0.43	<0.43	<0.43	<0.43	<0.43	**4.1**	<0.43	<0.43	<0.43	**4.1**		NA	Remediation Waste
5-C-12	5	Concrete	Ext. 12" from Side Joint	0-0.5	8/17/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.15**	<0.10	<0.10	<0.10	**0.15**		NA	None
5-C-12-2 (Duplicate)	5	Concrete	Ext. 12" from Side Joint	0-0.5	8/17/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**0.16**	<0.095	<0.095	<0.095	**0.16**		NA	None
7-C-1	7	Concrete	Ext. 1" from Side Joint	0-0.5	8/17/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.74**	<0.10	<0.10	<0.10	**0.74**		NA	None
7-C-3	7	Concrete	Ext. 3" from Side Joint	0-0.5	8/17/2011	<0.087	<0.087	<0.087	<0.087	<0.087	**0.89**	<0.087	<0.087	<0.087	**0.89**		NA	None
7-C-6	7	Concrete	Ext. 6" from Side Joint	0-0.5	8/17/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**0.37**	<0.095	<0.095	<0.095	**0.37**		NA	None
7-C-12	7	Concrete	Ext. 12" from Side Joint	0-0.5	8/17/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**0.76**	<0.095	<0.095	<0.095	**0.76**		NA	None
8-C-1	8	Concrete	Ext. 1" from Side Joint	0-0.5	8/20/2011	<0.091	<0.091	<0.091	<0.091	<0.091	**1.1**	<0.091	<0.091	<0.091	**1.1**		NA	Remediation Waste
8-C-3	8	Concrete	Ext. 3" from Side Joint	0-0.5	8/20/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**0.82**	<0.095	<0.095	<0.095	**0.82**		NA	None
8-C-6	8	Concrete	Ext. 6" from Side Joint	0-0.5	8/20/2011	<0.091	<0.091	<0.091	<0.091	<0.091	**0.8**	<0.091	<0.091	<0.091	**0.8**		NA	None
8-C-12	8	Concrete	Ext. 12" from Side Joint	0-0.5	8/20/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.67**	<0.10	<0.10	<0.10	**0.67**		NA	None
8-C-12-2 (Duplicate)	8	Concrete	Ext. 12" from Side Joint	0-0.5	8/20/2011	<0.087	<0.087	<0.087	<0.087	<0.087	**0.29**	<0.087	<0.087	<0.087	**0.29**		NA	None
9-C-1	9	Concrete	Ext. 1" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.53**	<0.10	<0.10	<0.10	**0.53**		NA	None
9-C-3	9	Concrete	Ext. 3" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.14**	<0.10	<0.10	<0.10	**0.14**		NA	None
9-C-6	9	Concrete	Ext. 6" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**0.18**	<0.10	<0.10	<0.10	**0.18**		NA	None
9-C-12	9	Concrete	Ext. 12" from Side Joint	0-0.5	8/8/2011	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	ND		NA	None
7-C-Top Pilaster	7	Concrete	Top of Pilaster	0-0.5	8/17/2011	<0.087	<0.087	<0.087	<0.087	<0.087	**0.54**	<0.087	<0.087	<0.087	**0.54**		NA	Remediation Waste**
5-C-Top Pilaster	5	Concrete	Top of Pilaster	0-0.5	8/17/2011	<2.0	<2.0	<2.0	<2.0	<2.0	**14**	<2.0	<2.0	<2.0	**14**		NA	Remediation Waste
9-S-W-C-1"	9th Floor	Concrete	Int. S. Side - 1" from Side	0-0.5	9/28/2011	<0.48	<0.48	<0.48	<0.48	<0.48	**3.4**	<0.48	<0.48	<0.48	**3.4**	(C)	NA	Remediation Waste
9-S-W-C-6"	9th Floor	Concrete	Int. S. Side - 6" from Side	0-0.5	9/28/2011	<0.38	<0.38	<0.38	<0.38	<0.38	**1.6**	<0.38	<0.38	<0.38	**1.6**	(C)	NA	Remediation Waste
9-S-W-C-12"	9th Floor	Concrete	Int. S. Side - 12" from Side	0-0.5	9/28/2011	<0.87	<0.87	<0.87	<0.87	<0.87	**3.7**	<0.87	<0.87	<0.87	**3.7**	(C)	NA	Remediation Waste
9-N-E-C-1"	9th Floor	Concrete	Int. N. Side - 1" from Side	0-0.5	9/28/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<0.50	**1.9**	(C)	NA	Remediation Waste
9-N-E-C-6"	9th Floor	Concrete	Int. N. Side - 6" from Side	0-0.5	9/28/2011	<0.91	<0.91	<0.91	<0.91	<0.91	**9**	<0.91	<0.91	<0.91	**9**	(C)	NA	Remediation Waste
9-N-E-C-12"	9th Floor	Concrete	Int. N. Side - 12" from Side	0-0.5	9/28/2011	<0.35	<0.35	<0.35	<0.35	<0.35	**1.6**	<0.35	<0.35	<0.35	**1.6**	(C)	NA	Remediation Waste

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						PCB Aroclor Results (by EPA Method 8082)												
						1016	1221	1232	1242	1248	1254	1260	1262	1268	Total PCBs	QA/QC Review (see footnotes)		
Sample ID	**Figure Location Number**	**Material**	**Location**	**Depth (inches)**	**Sample Date**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**		**ACM?**	**PCB Waste Determination**
9/10-N-W-C-1"	9/10th Fl	Concrete	Int. N. Side - 1" from Side	0-0.5	9/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0	**4.5**	<1.0	<1.0	<1.0	**4.5**	(C)	NA	Remediation Waste
9/10-N-W-C-6"	9/10th Fl	Concrete	Int. N. Side - 6" from Side	0-0.5	9/28/2011	<0.35	<0.35	<0.35	<0.35	<0.35	**1.8**	<0.35	<0.35	<0.35	**1.8**	(C)	NA	Remediation Waste
9/10-N-W-C-12"	9/10th Fl	Concrete	Int. N. Side - 12" from Side	0-0.5	9/28/2011	<0.095	<0.095	<0.095	<0.095	<0.095	**1.1**	<0.095	<0.095	<0.095	**1.1**	(C)	NA	Remediation Waste
9/10-N-W-C-12"-2 (Duplicate)	9/10th Fl	Concrete	Int. N. Side - 12" from Side	0-0.5	9/28/2011	<0.10	<0.10	<0.10	<0.10	<0.10	**1.1**	<0.10	<0.10	<0.10	**1.1**	(C)	NA	Remediation Waste
6-S-W-C-1"	6th Floor	Concrete	Int. S. Side - 1" from Side	0-0.5	9/28/2011	<0.48	<0.48	<0.48	<0.48	<0.48	**1.1**	<0.48	<0.48	<0.48	**1.1**	(C)	NA	Remediation Waste
6-S-W-C-6"	6th Floor	Concrete	Int. S. Side - 6" from Side	0-0.5	9/28/2011	<0.19	<0.19	<0.19	<0.19	<0.19	**1.4**	<0.19	<0.19	<0.19	**1.4**	(C)	NA	Remediation Waste
6-S-W-C-12"	6th Floor	Concrete	Int. S. Side - 12" from Side	0-0.5	9/28/2011	<0.38	<0.38	<0.38	<0.38	<0.38	**1.8**	<0.38	<0.38	<0.38	**1.8**	(C)	NA	Remediation Waste

NOTES:
Concentrations presented in milligrams per kilogram (mg/kg), or parts per million
ND = Not detected
*Defined as sealant between glazing (glass) and frame.
**Due to higher PCB concentrations of similar materials.
***Not considered PCB Remediation Waste due to low concentration and results from all other sample sets.
(A) = The surrogate recovery not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
(B) = Surrogate recovery outside of control limits on confirmatory column, but within control limits on primary column.
(C) = MS/MSD recovery high, due to difficulty in quantitating spike Aroclors when a different Aroclor is present in sample.
Bolded indicates concentration above laboratory method detection limit
Yellow Shading = Value above 50 mg/kg.

TABLE 4
PCB Analytical Results: Wipe Samples
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts

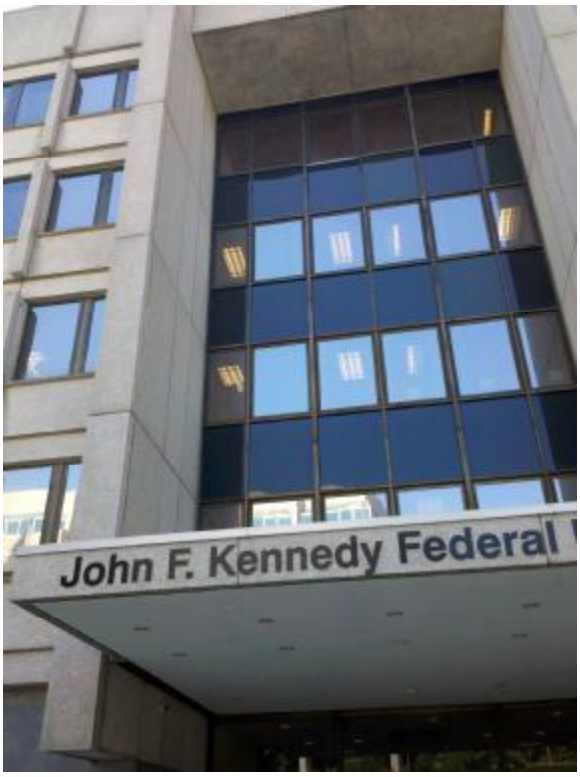
					PCB Aroclor Results (by EPA Method 8082)											
					1016	1221	1232	1242	1248	1254	1260	1262	1268	Total PCBs	QA/QC Review (see footnotes)	
Sample ID	**Date**	**Material Wiped**	**Location**	**Figure Location Number**	**ug/100 cm^2**											**Decon Required?**
2-W	6/16/2011	Concrete	Next to Ext. Side Joint	2	<0.20	<0.20	<0.20	<0.20	<0.20	**0.44**	<0.20	<0.20	<0.20	**0.44**		NA*
3-W	6/16/2011	Concrete	Next to Ext. Side Joint	3	<0.20	<0.20	<0.20	<0.20	<0.20	**1.2**	<0.20	<0.20	<0.20	**1.2**		NA*
4-W	6/16/2011	Concrete	Next to Ext. Side Joint	4	<1.0	<1.0	<1.0	<1.0	<1.0	**5.7**	<1.0	<1.0	<1.0	**5.7**		NA*
5-W	6/16/2011	Concrete	Next to Ext. Side Joint	5	<0.40	<0.40	<0.40	<0.40	<0.40	**2.9**	<0.40	<0.40	<0.40	**2.9**		NA*
6-W	6/16/2011	Concrete	Next to Ext. Side Joint	6	<0.20	<0.20	<0.20	<0.20	<0.20	**0.39**	<0.20	<0.20	<0.20	**0.39**		NA*
7-W	6/16/2011	Concrete	Next to Ext. Side Joint	7	<0.20	<0.20	<0.20	<0.20	<0.20	**0.78**	<0.20	<0.20	<0.20	**0.78**		NA*
8-W	6/16/2011	Concrete	Next to Ext. Side Joint	8	<0.20	<0.20	<0.20	<0.20	<0.20	**0.82**	<0.20	<0.20	<0.20	**0.82**		NA*
9-W	6/16/2011	Concrete	Next to Ext. Side Joint	9	<0.20	<0.20	<0.20	<0.20	<0.20	**0.7**	<0.20	<0.20	<0.20	**0.7**		NA*
3-W-F	8/8/2011	Glazing Frame	Near Ext. Side Joint	3	<0.20	<0.20	<0.20	<0.20	<0.20	**0.89**	<0.20	<0.20	<0.20	**0.89**		Yes
4-W-F	8/17/2011	Glazing Frame	Near Ext. Side Joint	4	<1.0	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0	<1.0	<1.0	**4.9**		Yes
5-W-F	8/17/2011	Glazing Frame	Near Ext. Side Joint	5	<2.0	<2.0	<2.0	<2.0	<2.0	**16**	<2.0	<2.0	<2.0	**16**		Yes
7-W-F	8/9/2011	Glazing Frame	Near Ext. Side Joint	7	<0.20	<0.20	<0.20	<0.20	<0.20	**0.32**	<0.20	<0.20	<0.20	**0.32**		Yes
8-W-F	8/9/2011	Glazing Frame	Near Ext. Side Joint	8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		Yes
9-W-F	8/8/2011	Glazing Frame	Near Ext. Side Joint	9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		Yes
3-W-W	8/8/2011	Glass (Glazing)	Near Ext. Side Joint	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
4-W-W	8/17/2011	Glass (Glazing)	Near Ext. Side Joint	4	<0.20	<0.20	<0.20	<0.20	<0.20	**0.23**	<0.20	<0.20	<0.20	**0.23**		No
5-W-W	8/17/2011	Glass (Glazing)	Near Ext. Side Joint	5	<0.20	<0.20	<0.20	<0.20	<0.20	**0.42**	<0.20	<0.20	<0.20	**0.42**		No
7-W-W	8/9/2011	Glass (Glazing)	Near Ext. Side Joint	7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
8-W-W	8/9/2011	Glass (Glazing)	Near Ext. Side Joint	8	<0.20	<0.20	<0.20	<0.20	<0.20	**0.24**	<0.20	<0.20	<0.20	**0.24**		No
9-W-W	8/8/2011	Glass (Glazing)	Near Ext. Side Joint	9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
9-W-W2 (Duplicate)	8/8/2011	Glass (Glazing)	Near Ext. Side Joint	9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
4-Middle-W-F	8/17/2011	Glazing Frame	Ext. Middle of Curtain Wall	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
7-Middle-W-F	8/17/2011	Glazing Frame	Ext. Middle of Curtain Wall	7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
8-Middle-W-F	8/17/2011	Glazing Frame	Ext. Middle of Curtain Wall	8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
4-Middle-W-W	8/17/2011	Glass (Glazing)	Ext. Middle of Curtain Wall	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
7-Middle-W-W	8/17/2011	Glass (Glazing)	Ext. Middle of Curtain Wall	7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
8-Middle-W-W	8/17/2011	Glass (Glazing)	Ext. Middle of Curtain Wall	8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
3-W-Granite 1 ft	8/8/2011	Polished Granite	Ext. Low-Rise N. 1st Fl	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
3-W-Granite 4 ft	8/8/2011	Polished Granite	Ext. Low-Rise N. 1st Fl	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		No
W-Blank	8/8/2011	NA	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND		NA

TABLE 4
PCB Analytical Results: Wipe Samples
Curtain Wall Replacement Project
JFK Federal Building
Boston, Massachusetts

Sample ID	Date	Material Wiped	Location	Figure Location Number	PCB Aroclor Results (by EPA Method 8082) ug/100 cm^2 1016	1221	1232	1242	1248	1254	1260	1262	1268	Total PCBs	QA/QC Review (see footnotes)	Decon Required?
7-S-Louver-W-F	9/28/2011	Glazing Frame	Int. High-Rise Near Louver Caulk	7th Floor	<0.20	<0.20	<0.20	<0.20	<0.20	**1.5**	<0.20	<0.20	<0.20	**1.5**	(A)	No
7-N-Louver-W-F	9/28/2011	Glazing Frame	Int. High-Rise Near Louver Caulk	7th Floor	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND	(A)	No
6-S-W-W-F	9/28/2011	Glazing Frame	Near Int. Side Joint	6th Floor	<0.20	<0.20	<0.20	<0.20	<0.20	**0.2**	<0.20	<0.20	<0.20	**0.2**	(A)	No
9-S-W-W-F	9/28/2011	Glazing Frame	Near Int. Side Joint	9th Floor	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND	(A)	No
9-N-E-W-F	9/28/2011	Glazing Frame	Near Int. Side Joint	9th Floor	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND	(A)	No
9/10-N-W-W-F	9/28/2011	Glazing Frame	Near Int. Side Joint	9th/10th Fl	<0.20	<0.20	<0.20	<0.20	<0.20	**0.6**	<0.20	<0.20	<0.20	**0.6**	(A)	No
9/10-N-W-W-F-2 (Dup.)	9/28/2011	Glazing Frame	Near Int. Side Joint	9th/10th Fl	<0.20	<0.20	<0.20	<0.20	<0.20	**0.3**	<0.20	<0.20	<0.20	**0.3**	(A)	No
W-Blank	9/28/2011	NA	NA	NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	ND	(A)	NA

NOTES:
Concentrations presented in micrograms per 100 square centimeters (ug/100cm2)
(A) = MS/MSD recovery high, due to difficulty in quantitating spike Aroclors when a different Aroclor is present in sample.
Bolded indicates concentration above laboratory method detection limit
Yellow Shading = Value above 10 ug/100cm2.
ND = Not detected
*Not applicable - see *Caulk/Sealant and Concrete* data table for information on how to manage concrete.

Appendix A
Curtain Wall Photographs

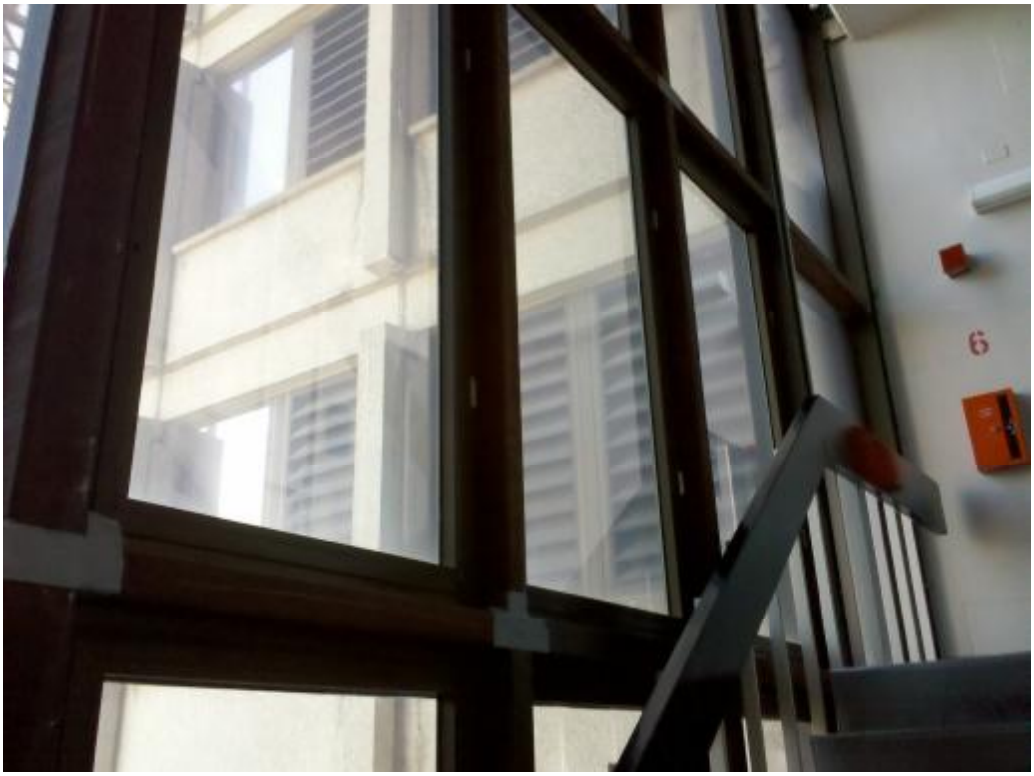


Photograph No. 1: View of the north-side, low-rise curtain wall, looking south-southeast.

Photograph No. 2: View of the north-side, high-rise curtain wall, looking south-southeast. Note louver panel on the left side of the curtain wall.

Photograph No. 3: Close-up view of a high-rise curtain wall. Note the vertical “pilasters”, rectangular concrete ornamentations jutting out from the adjacent concrete wall.

Photograph No. 4: Close-up view of the structure of the center of the high-rise curtain walls. The Glazing Sealant is located between the glass and frame, the Glazing Seal caulk is the thin strip next to the handle where the window used to open, and the Frame/Beam Caulk is the wider, light-colored caulk in the center of the photograph.



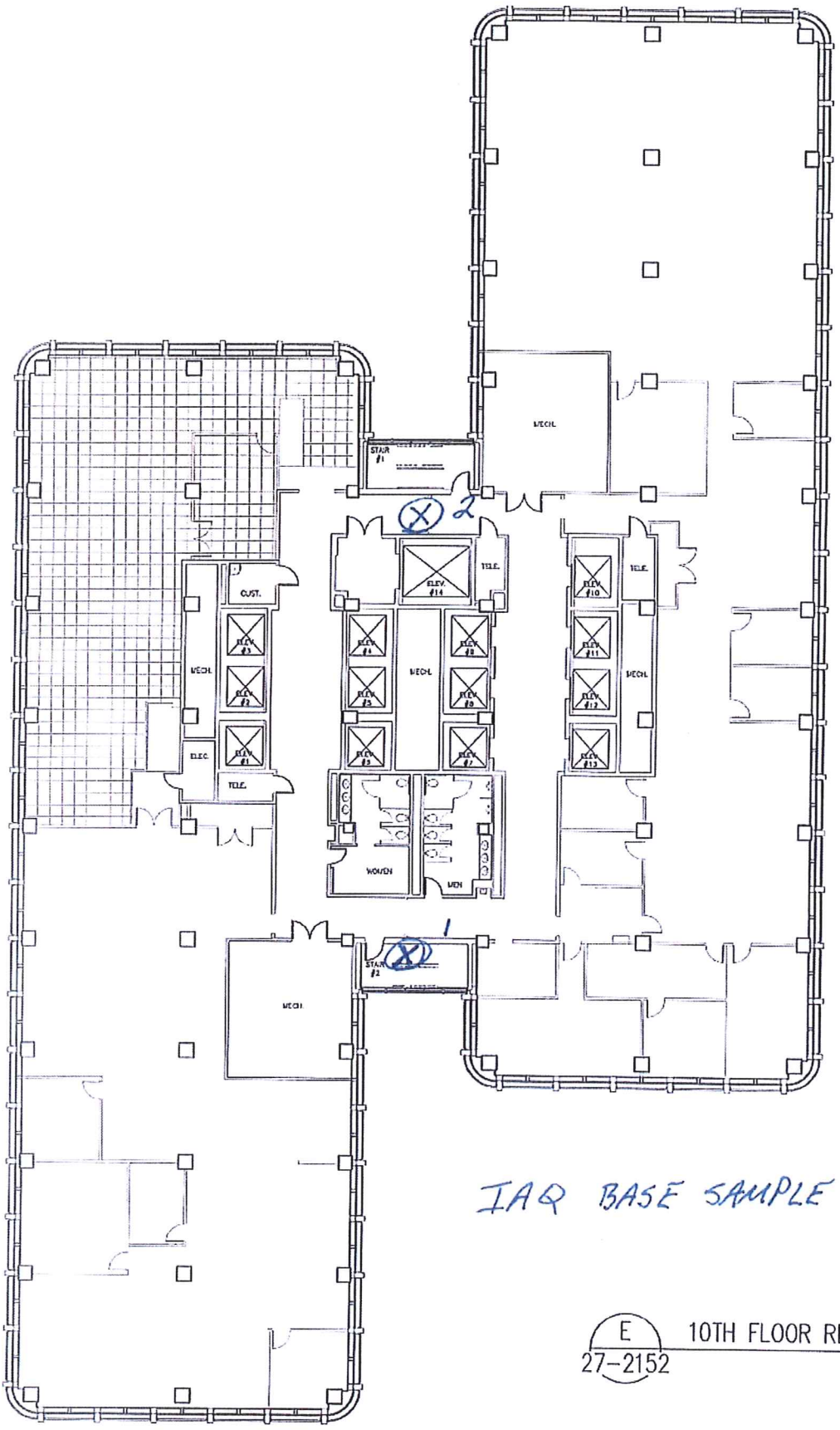
Photograph No. 5: View of the interior stairwell behind the high-rise curtain walls. The vertical Side Corner Caulk bead (where present) is located in the corner between the curtain wall frame and the painted concrete wall.

Photograph No. 6: Close-up view of typical vertical Side Corner Caulk bead in some places on the inside of the high-rise curtain walls. Note main wide vertical strip is sheet metal; the caulk bead is the thin vertical strip between the sheet metal and the painted concrete wall.

Photograph No. 7: View of the entrance area at the north side low-rise curtain wall. Note the polished granite wall surface at ground level. This arrangement is unique to this curtain wall. There is no Side Joint Caulk between the granite wall slabs and the curtain wall frame.

Appendix B

Indoor Air Sampling Locations

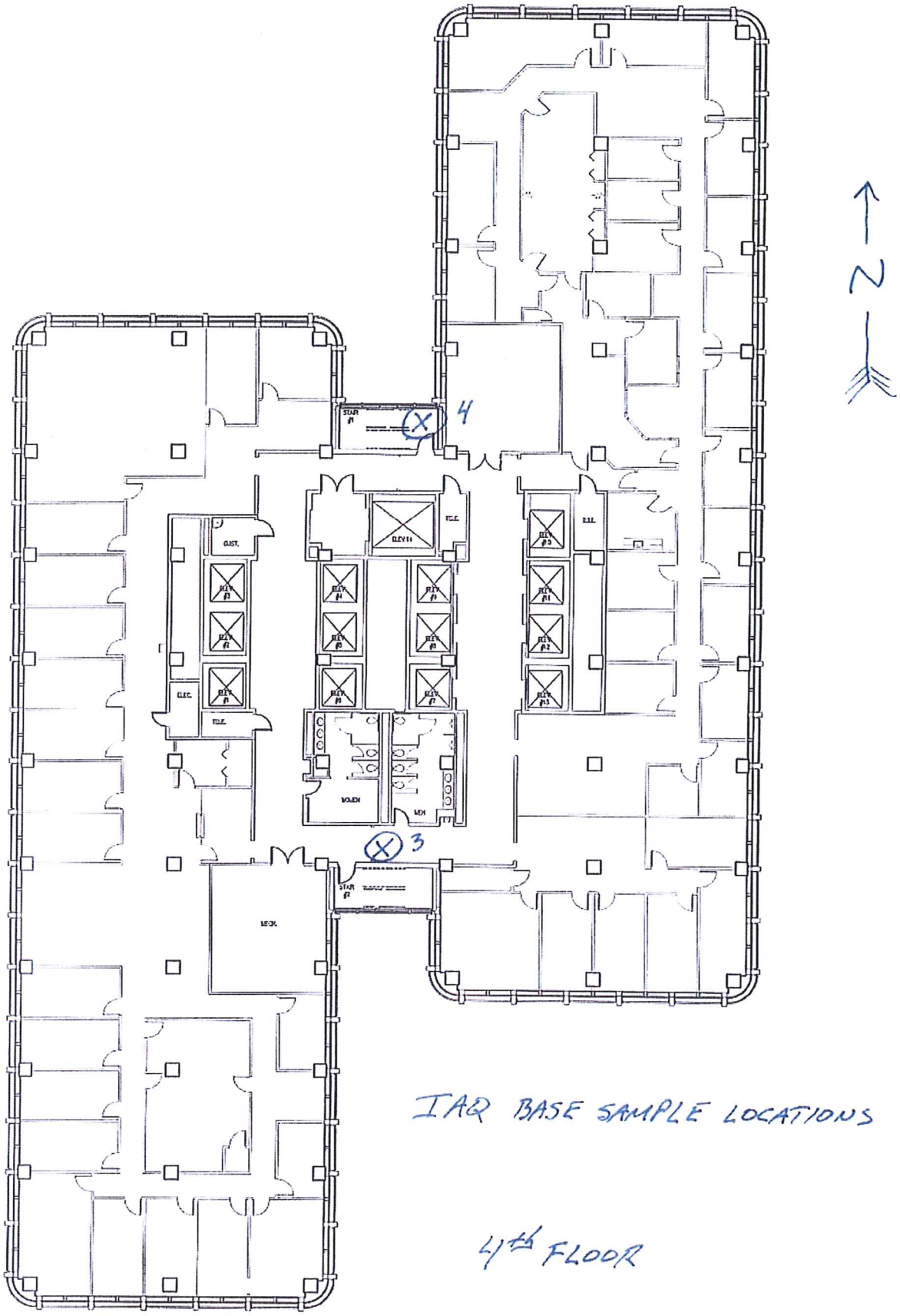


IAQ BASE SAMPLE LOCATIONS

E
27-2152

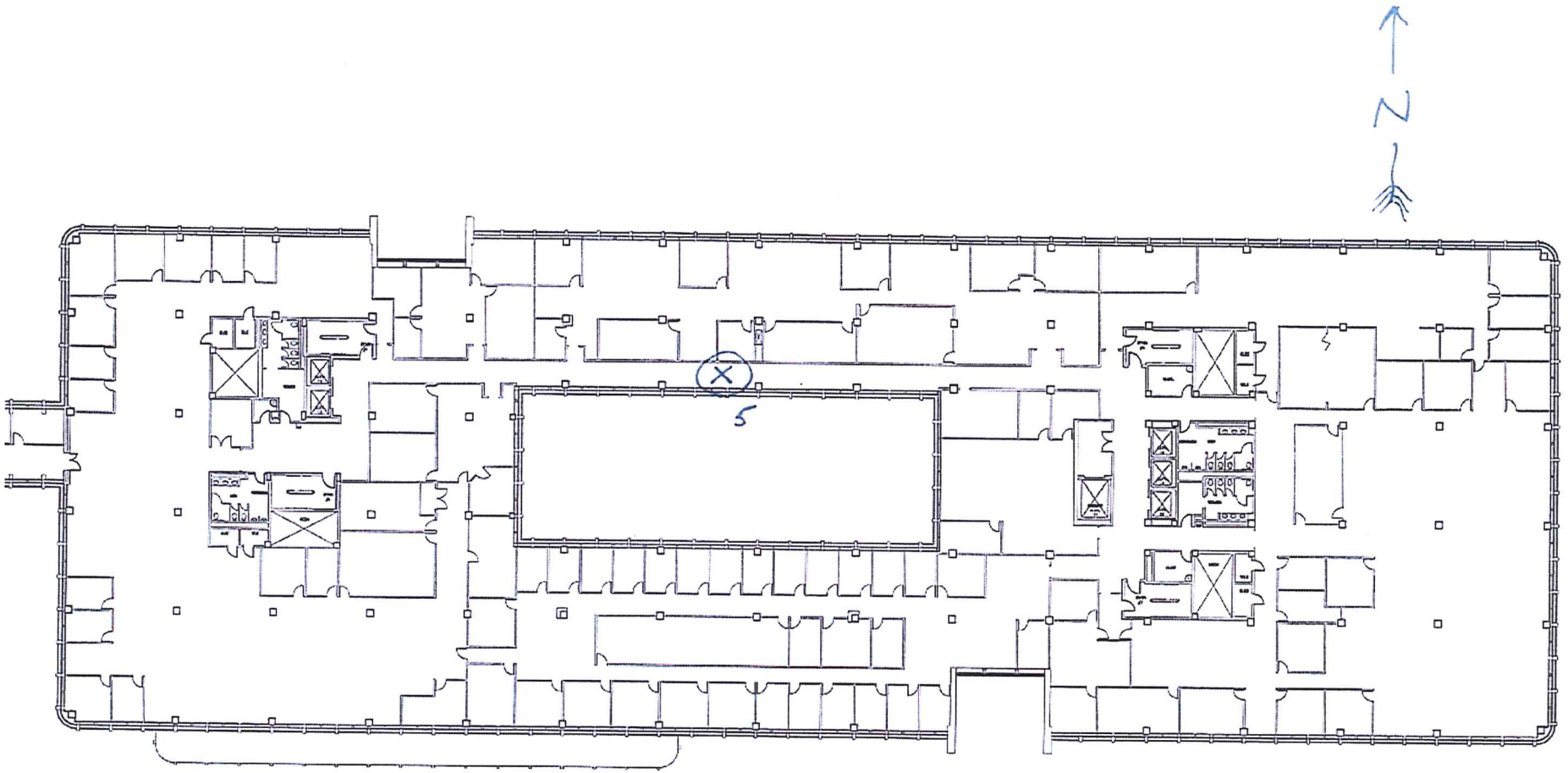
10TH FLOOR REFERENCE PLAN

SCALE 1/16"=1'-0"



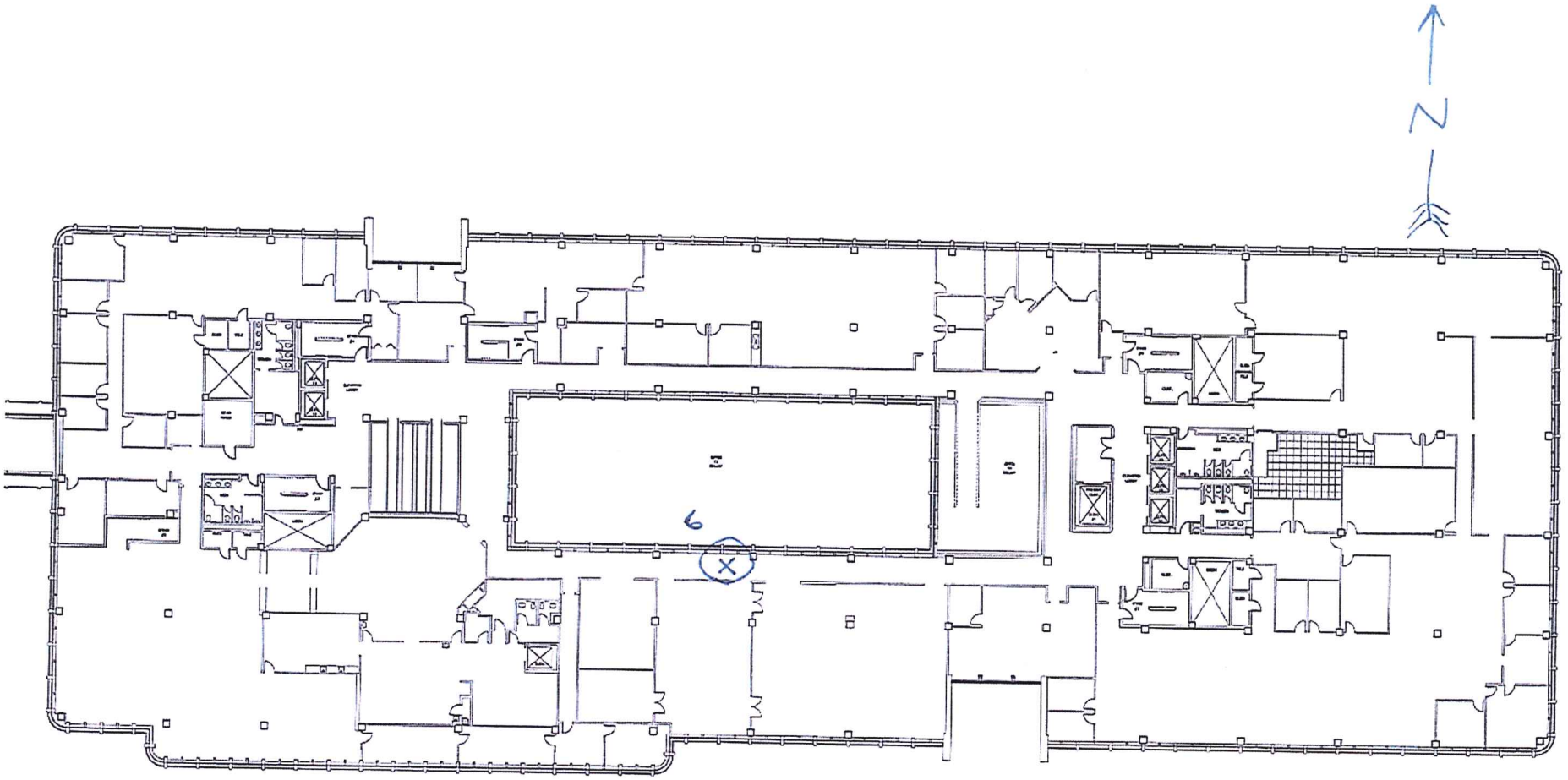
IAQ BASE SAMPLE LOCATIONS

4TH FLOOR



B 3RD FLOOR REFERENCE PLAN
27-2150
SCALE 1/16"=1'-0"

IAQ BASE SAMPLE LOCATION

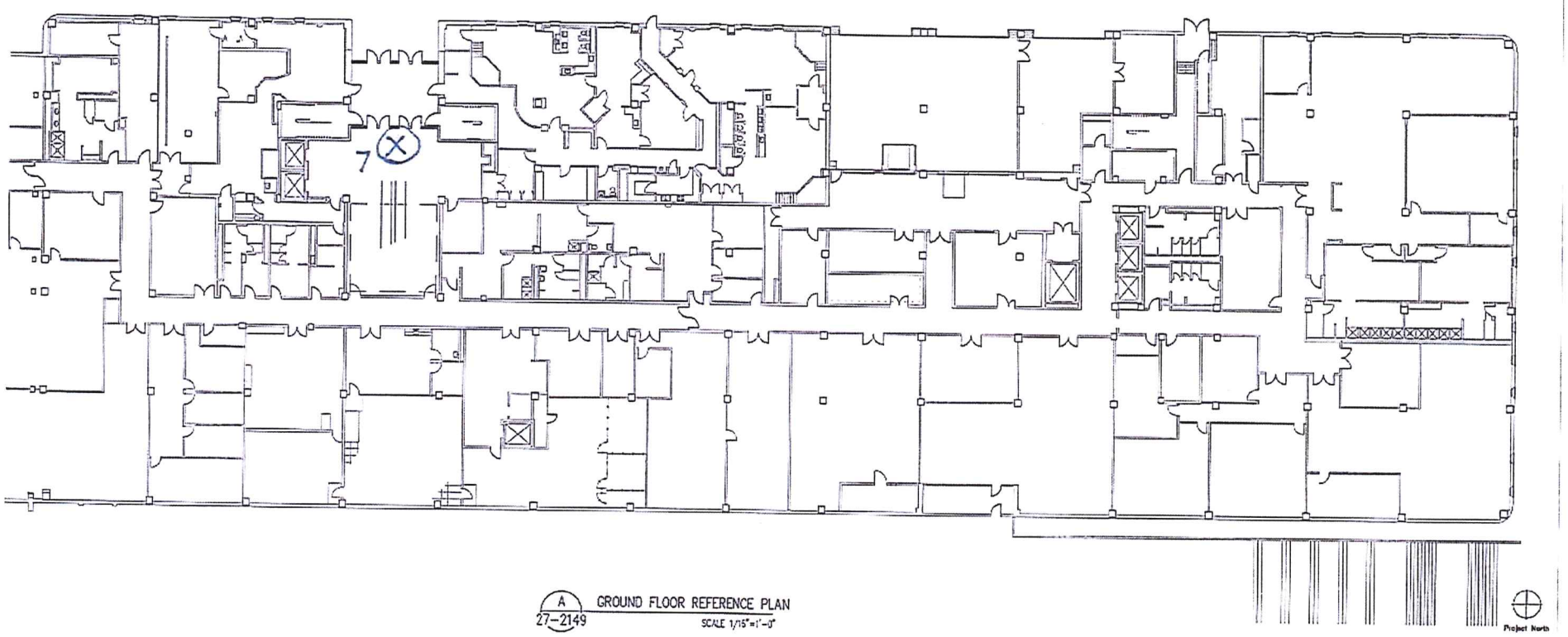


A 27–2150 2ND FLOOR REFERENCE PLAN

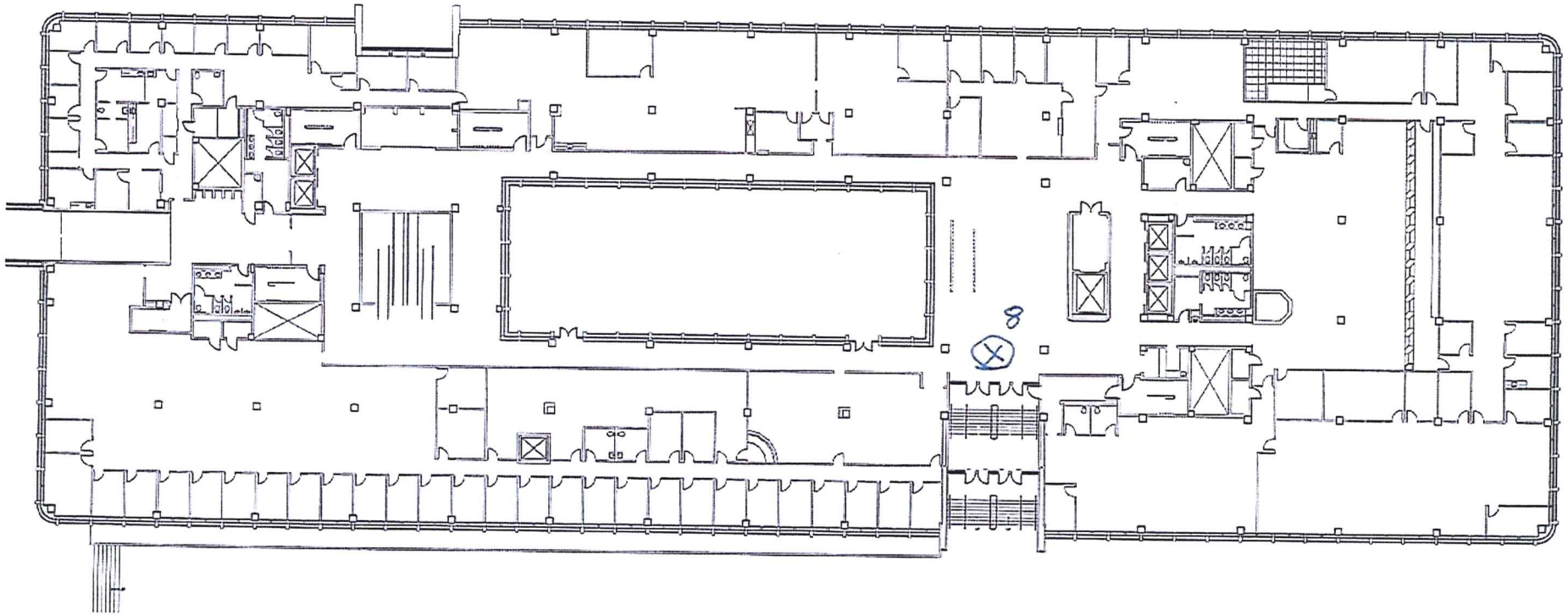
SCALE 1/16"=1'-0"

Project North

IAQ BASE SAMPLE LOCATION

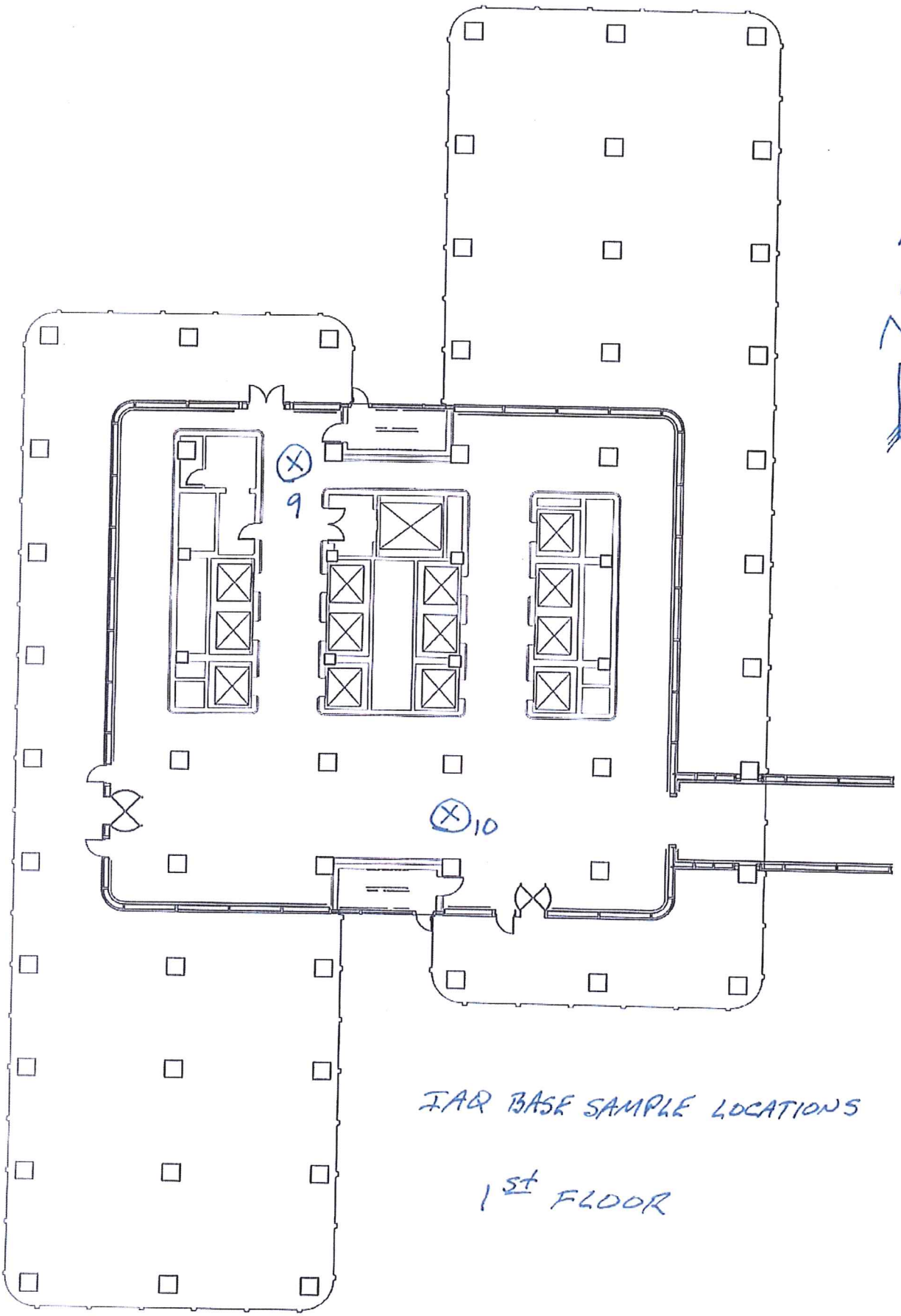


IAQ BASE SAMPLE LOCATION



B 27-2149 1ST FLOOR REFERENCE PLAN
SCALE 1/16"=1'-0"

IAQ BASE SAMPLE LOCATION



IAQ BASE SAMPLE LOCATIONS

1st FLOOR

Appendix C
Laboratory Analytical Reports

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

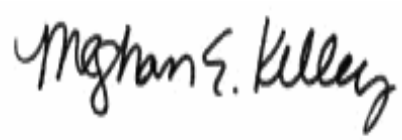
July 11, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11F0664

Enclosed are results of analyses for samples received by the laboratory on June 17, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 7/11/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11F0664

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
01A-FL 10	11F0664-01	Air	FL 10 S. Stairwell 1	TO-10A/EPA 680 Modified	
02A-FL 10	11F0664-02	Air	FL 10 by N. Stair 2	TO-10A/EPA 680 Modified	
03A-FL 4	11F0664-03	Air	FL 4 by S. Stair 1	TO-10A/EPA 680 Modified	
04A-FL 4	11F0664-04	Air	FL 4 N. Stairwell 2	TO-10A/EPA 680 Modified	
05A - N. Side	11F0664-05	Air	N. Side Middle-FL 3	TO-10A/EPA 680 Modified	
06A - S. Side	11F0664-06	Air	S. Side Middle FL 2	TO-10A/EPA 680 Modified	
07A - G. FL	11F0664-07	Air	G. FL. Lobby Low Rise	TO-10A/EPA 680 Modified	
08A - FL 1	11F0664-08	Air	FL 1 Lobby Low Rise	TO-10A/EPA 680 Modified	
09A - FL 1	11F0664-09	Air	FL 1 N. Side Lobby High Rise	TO-10A/EPA 680 Modified	
10A - FL 1	11F0664-10	Air	Fl 1 S. Side Lobby High Rise	TO-10A/EPA 680 Modified	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 07/11/2011 - Sample IDs -05 through -10 revised per clients request.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Project Chemist

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 01A-FL 10
Sample ID: 11F0664-01
Sample Matrix: Air
Sampled: 6/16/2011 21:34

Sample Description/Location: FL 10 S. Stairwell 1
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 246

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0081	1	6/24/11 12:08	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0081	1	6/24/11 12:08	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0081	1	6/24/11 12:08	CJM
Tetrachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 12:08	CJM
Pentachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 12:08	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 12:08	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.024	1	6/24/11 12:08	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.024	1	6/24/11 12:08	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.041	1	6/24/11 12:08	CJM
Decachlorobiphenyl	ND	0.010		ND	0.041	1	6/24/11 12:08	CJM
Total Polychlorinated biphenyls	0.0			0		1	6/24/11 12:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	79.8	50-125	6/24/11 12:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 02A-FL 10
Sample ID: 11F0664-02
Sample Matrix: Air
Sampled: 6/16/2011 21:09

Sample Description/Location: FL 10 by N. Stair 2
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 256

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0078	1	6/24/11 12:45	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0078	1	6/24/11 12:45	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0078	1	6/24/11 12:45	CJM
Tetrachlorobiphenyls	0.012	0.0040		0.045	0.016	1	6/24/11 12:45	CJM
Pentachlorobiphenyls	0.024	0.0040		0.095	0.016	1	6/24/11 12:45	CJM
Hexachlorobiphenyls	0.0056	0.0040		0.022	0.016	1	6/24/11 12:45	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.023	1	6/24/11 12:45	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.023	1	6/24/11 12:45	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.039	1	6/24/11 12:45	CJM
Decachlorobiphenyl	ND	0.010		ND	0.039	1	6/24/11 12:45	CJM
Total Polychlorinated biphenyls	0.041			0.16		1	6/24/11 12:45	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	95.7	50-125	6/24/11 12:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 03A-FL 4
Sample ID: 11F0664-03
Sample Matrix: Air
Sampled: 6/16/2011 22:32

Sample Description/Location: FL 4 by S. Stair 1
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 282

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0071	1	6/24/11 13:26	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0071	1	6/24/11 13:26	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0071	1	6/24/11 13:26	CJM
Tetrachlorobiphenyls	0.011	0.0040		0.038	0.014	1	6/24/11 13:26	CJM
Pentachlorobiphenyls	0.015	0.0040		0.054	0.014	1	6/24/11 13:26	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.014	1	6/24/11 13:26	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.021	1	6/24/11 13:26	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.021	1	6/24/11 13:26	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.035	1	6/24/11 13:26	CJM
Decachlorobiphenyl	ND	0.010		ND	0.035	1	6/24/11 13:26	CJM
Total Polychlorinated biphenyls	0.026			0.092		1	6/24/11 13:26	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	101	50-125	6/24/11 13:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 04A-FL 4
Sample ID: 11F0664-04
Sample Matrix: Air
Sampled: 6/16/2011 22:24

Sample Description/Location: FL 4 N. Stairwell 2
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 302

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0066	1	6/24/11 14:04	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0066	1	6/24/11 14:04	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0066	1	6/24/11 14:04	CJM
Tetrachlorobiphenyls	0.037	0.0040		0.12	0.013	1	6/24/11 14:04	CJM
Pentachlorobiphenyls	0.056	0.0040		0.19	0.013	1	6/24/11 14:04	CJM
Hexachlorobiphenyls	0.0077	0.0040		0.025	0.013	1	6/24/11 14:04	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.020	1	6/24/11 14:04	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.020	1	6/24/11 14:04	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.033	1	6/24/11 14:04	CJM
Decachlorobiphenyl	ND	0.010		ND	0.033	1	6/24/11 14:04	CJM
Total Polychlorinated biphenyls	0.10			0.33		1	6/24/11 14:04	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	121	50-125	6/24/11 14:04

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ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 05A - N. Side
Sample ID: 11F0664-05
Sample Matrix: Air
Sampled: 6/16/2011 22:44

Sample Description/Location: N. Side Middle-FL 3
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 224

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0089	1	6/24/11 14:45	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0089	1	6/24/11 14:45	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0089	1	6/24/11 14:45	CJM
Tetrachlorobiphenyls	0.019	0.0040		0.086	0.018	1	6/24/11 14:45	CJM
Pentachlorobiphenyls	0.025	0.0040		0.11	0.018	1	6/24/11 14:45	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.018	1	6/24/11 14:45	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.027	1	6/24/11 14:45	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.027	1	6/24/11 14:45	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.045	1	6/24/11 14:45	CJM
Decachlorobiphenyl	ND	0.010		ND	0.045	1	6/24/11 14:45	CJM
Total Polychlorinated biphenyls	0.044			0.20		1	6/24/11 14:45	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	95.7	50-125	6/24/11 14:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 06A - S. Side
Sample ID: 11F0664-06
Sample Matrix: Air
Sampled: 6/17/2011 01:02

Sample Description/Location: S. Side Middle FL 2
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 234

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0085	1	6/24/11 15:25	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0085	1	6/24/11 15:25	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0085	1	6/24/11 15:25	CJM
Tetrachlorobiphenyls	0.024	0.0040		0.10	0.017	1	6/24/11 15:25	CJM
Pentachlorobiphenyls	0.034	0.0040		0.14	0.017	1	6/24/11 15:25	CJM
Hexachlorobiphenyls	0.0048	0.0040		0.021	0.017	1	6/24/11 15:25	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.026	1	6/24/11 15:25	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.026	1	6/24/11 15:25	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.043	1	6/24/11 15:25	CJM
Decachlorobiphenyl	ND	0.010		ND	0.043	1	6/24/11 15:25	CJM
Total Polychlorinated biphenyls	0.063			0.27		1	6/24/11 15:25	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	76.0	50-125	6/24/11 15:25

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ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 07A - G. FL
Sample ID: 11F0664-07
Sample Matrix: Air
Sampled: 6/17/2011 01:34

Sample Description/Location: G. FL. Lobby Low Rise
Sub Description/Location:
Flow Controller ID:
Sample Type:
Air Volume L: 244

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:01	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:01	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:01	CJM
Tetrachlorobiphenyls	0.019	0.0040		0.079	0.016	1	6/24/11 16:01	CJM
Pentachlorobiphenyls	0.028	0.0040		0.11	0.016	1	6/24/11 16:01	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 16:01	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 16:01	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 16:01	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.041	1	6/24/11 16:01	CJM
Decachlorobiphenyl	ND	0.010		ND	0.041	1	6/24/11 16:01	CJM
Total Polychlorinated biphenyls	0.047			0.19		1	6/24/11 16:01	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	90.3	50-125	6/24/11 16:01

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ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 08A - FL 1
Sample ID: 11F0664-08
Sample Matrix: Air
Sampled: 6/17/2011 01:20

Sample Description/Location: FL 1 Lobby Low Rise
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 244

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:50	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:50	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0082	1	6/24/11 16:50	CJM
Tetrachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 16:50	CJM
Pentachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 16:50	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.016	1	6/24/11 16:50	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 16:50	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 16:50	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.041	1	6/24/11 16:50	CJM
Decachlorobiphenyl	ND	0.010		ND	0.041	1	6/24/11 16:50	CJM
Total Polychlorinated biphenyls	0.0			0		1	6/24/11 16:50	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	105	50-125	6/24/11 16:50

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ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 09A - FL 1
Sample ID: 11F0664-09
Sample Matrix: Air
Sampled: 6/17/2011 00:18

Sample Description/Location: FL 1 N. Side Lobby High Rise
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 242

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 17:31	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 17:31	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 17:31	CJM
Tetrachlorobiphenyls	0.021	0.0040		0.087	0.017	1	6/24/11 17:31	CJM
Pentachlorobiphenyls	0.034	0.0040		0.14	0.017	1	6/24/11 17:31	CJM
Hexachlorobiphenyls	0.0064	0.0040		0.026	0.017	1	6/24/11 17:31	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 17:31	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 17:31	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.041	1	6/24/11 17:31	CJM
Decachlorobiphenyl	ND	0.010		ND	0.041	1	6/24/11 17:31	CJM
Total Polychlorinated biphenyls	0.062			0.26		1	6/24/11 17:31	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	100	50-125	6/24/11 17:31

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ANALYTICAL RESULTS

Project Location: JFK Building
Date Received: 6/17/2011
Field Sample #: 10A - FL 1
Sample ID: 11F0664-10
Sample Matrix: Air
Sampled: 6/16/2011 23:56

Sample Description/Location: Fl 1 S. Side Lobby High Rise
Sub Description/Location:

Flow Controller ID:
Sample Type:
Air Volume L: 242

Work Order: 11F0664

TO-10A/EPA 680 Modified

Analyte	Total µg Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 18:08	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 18:08	CJM
Trichlorobiphenyls	ND	0.0020		ND	0.0083	1	6/24/11 18:08	CJM
Tetrachlorobiphenyls	0.0094	0.0040		0.039	0.017	1	6/24/11 18:08	CJM
Pentachlorobiphenyls	0.015	0.0040		0.061	0.017	1	6/24/11 18:08	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.017	1	6/24/11 18:08	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 18:08	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.025	1	6/24/11 18:08	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.041	1	6/24/11 18:08	CJM
Decachlorobiphenyl	ND	0.010		ND	0.041	1	6/24/11 18:08	CJM
Total Polychlorinated biphenyls	0.024			0.099		1	6/24/11 18:08	CJM

Surrogates	% Recovery	% REC Limits	
Tetrachloro-m-xylene	97.2	50-125	6/24/11 18:08

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Sample Extraction Data

Prep Method: SW-846 3540C-TO-10A/EPA 680 Modified

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
11F0664-01 [01A-FL 10]	B032444	1.00	1.00	06/21/11
11F0664-02 [02A-FL 10]	B032444	1.00	1.00	06/21/11
11F0664-03 [03A-FL 4]	B032444	1.00	1.00	06/21/11
11F0664-04 [04A-FL 4]	B032444	1.00	1.00	06/21/11
11F0664-05 [05A - N. Side]	B032444	1.00	1.00	06/21/11
11F0664-06 [06A - S. Side]	B032444	1.00	1.00	06/21/11
11F0664-07 [07A - G. FL]	B032444	1.00	1.00	06/21/11
11F0664-08 [08A - FL 1]	B032444	1.00	1.00	06/21/11
11F0664-09 [09A - FL 1]	B032444	1.00	1.00	06/21/11
11F0664-10 [10A - FL 1]	B032444	1.00	1.00	06/21/11

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QUALITY CONTROL

PCB Homologues by GC/MS - Quality Control

Analyte	Total µg Results	Total µg RL	ug/m3 Results	ug/m3 RL	Spike Level Total µg	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B032444 - SW-846 3540C											
Blank (B032444-BLK1)					Prepared: 06/21/11 Analyzed: 06/23/11						
Monochlorobiphenyls	ND	0.0020									
Dichlorobiphenyls	ND	0.0020									
Trichlorobiphenyls	ND	0.0020									
Tetrachlorobiphenyls	ND	0.0040									
Pentachlorobiphenyls	ND	0.0040									
Hexachlorobiphenyls	ND	0.0040									
Heptachlorobiphenyls	ND	0.0060									
Octachlorobiphenyls	ND	0.0060									
Nonachlorobiphenyls	ND	0.010									
Decachlorobiphenyl	ND	0.010									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	*0.204*				*0.200*		*102*	*50-125*			
LCS (B032444-BS1)					Prepared: 06/21/11 Analyzed: 06/23/11						
Monochlorobiphenyls	0.20	0.0020			0.200		97.7	40-140			
Dichlorobiphenyls	0.19	0.0020			0.200		96.6	40-140			
Trichlorobiphenyls	0.21	0.0020			0.200		103	40-140			
Tetrachlorobiphenyls	0.41	0.0040			0.400		102	40-140			
Pentachlorobiphenyls	0.43	0.0040			0.400		107	40-140			
Hexachlorobiphenyls	0.45	0.0040			0.400		112	40-140			
Heptachlorobiphenyls	0.69	0.0060			0.600		115	40-140			
Octachlorobiphenyls	0.64	0.0060			0.600		106	40-140			
Decachlorobiphenyl	0.99	0.010			1.00		98.7	40-140			
Surrogate: Tetrachloro-m-xylene	*0.194*				*0.200*		*97.2*	*50-125*			
LCS Dup (B032444-BSD1)					Prepared: 06/21/11 Analyzed: 06/23/11						
Monochlorobiphenyls	0.25	0.0020			0.200		124	40-140	23.6	200	
Dichlorobiphenyls	0.24	0.0020			0.200		118	40-140	20.0	200	
Trichlorobiphenyls	0.25	0.0020			0.200		123	40-140	17.2	200	
Tetrachlorobiphenyls	0.47	0.0040			0.400		119	40-140	15.6	200	
Pentachlorobiphenyls	0.50	0.0040			0.400		125	40-140	15.2	200	
Hexachlorobiphenyls	0.50	0.0040			0.400		124	40-140	10.7	200	
Heptachlorobiphenyls	0.75	0.0060			0.600		125	40-140	8.23	200	
Octachlorobiphenyls	0.68	0.0060			0.600		114	40-140	7.44	200	
Decachlorobiphenyl	1.1	0.010			1.00		110	40-140	10.6	200	
Surrogate: Tetrachloro-m-xylene	*0.230*				*0.200*		*115*	*50-125*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
TO-10A/EPA 680 Modified in Air	
Total Polychlorinated biphenyls	AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

11F0664

Company Name: ATC Associates
Address: 600 W. Cummings Park
Suite 5450
Attention: Dan White
Project Location: JFK Building
Sampled By: Dina Dellicolli

Project Proposal Provided? (for billing purposes)
○ yes ____________ proposal date

Telephone: 781-404-1432
Project #: 60.41885.0001
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
Fax #:
Email: Daniel.White@ATCAssociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

# of Containers	1
** Preservation	I
***Container Code	O

ANALYSIS REQUESTED: PCB TO-10A/Soxhlet/~~8082 Aroclors~~ 680 Homologs

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB TO-10A/Soxhlet/680 Homologs
-1	01A - FL 10 S. Stairwell 1	6/16/11 1931	6/16/11 2134	X		A	L	X
-2	02A - FL10 by N. STAIR 2	6/16/11 1901	6/16/11 2109					
-3	03A - FL4 by S. STAIR 1	6/16/11 2011	6/16/11 2232					
-4	04A - FL4 N. Stairwell 2	6/16/11 1953	6/16/11 22:24					
-5	05A - N. side middle - FL3	6/16/11 2052	6/16/11 2244					
-6	06A - S. side middle FL2	6/16/11 2305	6/17/11 0102					
-7	07A - G. FL. Lobby Low Rise	6/16/11 2332	6/17/11 0134					
-8	08A - FL 1 Lobby Low Rise	6/16/11 2318	6/17/11 0120					
-9	09A - FL 1 N. side Lobby High Rise	6/16/11 2217	6/17/11 0018					
-10	10A - FL 1 S. side Lobby High Rise	6/16/11 2155	6/16/11 2356	↓		↓	↓	↓

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other PUF

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other ______

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ______

Comments:
@2.0L/min per Dan White for all samples. MK 6/17/11

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	6/17/11 1450
Received by: (signature) [signature]	6/17 1450
Relinquished by: (signature) [signature]	6/17 1910
Received by: (signature) [signature] 4.5°C	6/17/11 1910

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other Std.
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: Min. 0.04 µg/m3

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # ______

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: ATC Associates **RECEIVED BY:** AM **DATE:** 6/17/11

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.5°C

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	10
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

Doc# 277

Rev. 1 May

Mr. Daniel White
ATC Associates
600 W. Cummings Park
Suite 5450
Woburn, MA 01801

June 28, 2011

DOH ELAP# 11626 Account# 16862 Login# L242794

Dear Mr. White:

Enclosed are the analytical results for the samples received by our laboratory on June 21, 2011. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact John Bailey at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G Unangst

Mary G. Unangst
Laboratory Director

Enclosure(s)

GALSON LABORATORIES

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : ATC Associates
Site : JFK Building
Project No. : 60418850001

Date Sampled : 16-JUN-11
Date Received : 21-JUN-11
Date Analyzed : 24-JUN-11 - 25-JUN-11
Report ID : 697160

Account No.: 16862
Login No. : L242794

Polychlorinated Biphenyls

Sample ID	Lab ID	Air Vol liter	Front ug	Back ug	Total ug	Conc mg/m3
01A FL10 SOUTH	L242794-1	24.4	<0.05	<0.05	<0.06	<0.002
02A FL10 NORTH	L242794-2	26.2	<0.05	<0.05	<0.06	<0.002
03A FL4 SOUTH	L242794-3	29.8	<0.05	<0.05	<0.06	<0.002
04A FL4 NORTH	L242794-4	31	<0.05	<0.05	<0.06	<0.002
05A FL3 NORTH	L242794-5	28	<0.05	<0.05	<0.06	<0.002
06A FL2 SOUTH	L242794-6	24.6	<0.05	<0.05	<0.06	<0.002
07A GFL LOBBY	L242794-7	24.4	<0.05	<0.05	<0.06	<0.002
08A FL1 LOBBY	L242794-8	24.4	<0.05	<0.05	<0.06	<0.002
09A FL1 NLOBBY	L242794-9	24.8	<0.05	<0.05	<0.06	<0.002
10A FL1 SLOBBY	L242794-10	24.2	<0.05	<0.05	<0.06	<0.002

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.05 ug
Analytical Method : mod. NIOSH 5503; GC-ECD
OSHA PEL (TWA) : NA
Collection Media : Filter & Tube

Submitted by: mln
Approved by : nkp
Date : 28-JUN-11 NYS DOH # : 11626
QC by: Karen Becker

< -Less Than
> -Greater Than
NA -Not Applicable
mg -Milligrams
ug -Micrograms
ND -Not Detected
m3 -Cubic Meters
l -Liters
ppm -Parts per Million
kg -Kilograms
NS -Not Specified

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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LABORATORY FOOTNOTE REPORT

Client Name : ATC Associates
Site : JFK Building
Project No. : 60418850001

Date Sampled : 16-JUN-11
Date Received: 21-JUN-11
Date Analyzed: 24-JUN-11 - 25-JUN-11

Account No.: 16862
Login No. : L242794

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L242794 (Report ID: 697160):
Total ug corrected for a desorption efficiency of 89%.
Samples were analyzed for the following 8 Aroclors: 1016, 1221, 1232, 1242, 1248, 1254, 1260 and 1268.
SOPs: GC-SOP-18(6)
Blank spike recovery for Aroclor 1254 was outside the control limits of 75-125% at 129% recovery. Where possible, control limits are statistically generated in-house. In the absence of statistical limits, guidance default limits of 75-125% are used.
Blank spike duplicate recovery for Aroclor 1254 was outside the control limits of 75-125% at 126% recovery. Where possible, control limits are statistically generated in-house. In the absence of statistical limits, guidance default limits of 75-125% are used.
Reported results are not affected since samples are non-detect and bias is high.

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	

GALSON LABORATORIES

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East Syracuse, NY 13057-9672
Tel: 315-432-5227
888-432-5227
Fax: 315-437-0571
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Check if change of address ☐
New Client ? yes ☐ no ☐

Report To* : ATC ASSOCIATES INC.
600 W. CUMMINGS PARK Suite 5450
WOBURN, MA
DAN WHITE
Phone No.* : 781-404-1432
Cell No.* : 617-872-6579

Invoice To* : Same
Phone No. :
Fax/Email : Daniel.White@ATCAssociates.com

Site Name : JFK BUILDING | Project : 604118850001 | Sampled By : DINA DELLICOLLI

Need Results By*:	(surcharge)
☒ 5 Business Days	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same day	200%

☒ Samples submitted using FreePumpLoan™ Program. ☐ Samples submitted using the FreeSamplingBadges™ Program.

99

Client Account No.* : 16862
Purchase Order No. :
Credit Card : ☐ Credit Card on File ☐ Will Phone in Credit Card Information

Email Results To : Dan White
Email Address : daniel.white@atcassociates.com

Please indicate which OEL this data will be used for:
☒ OSHA PEL ☒ ACGIH TLV ☐ Cal OSHA
☐ Other (please specify):

Sample Identification*	Date Sampled (mm/dd/yy)	Collection Medium	Sample*: Volume, Time, or Area	Sample Units*: L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference*	Metals Technique Required, ICAP or ICPMS^ (^Additional Cost)
EXAMPLE	01/01/10	3pc UW MCE	960	L	Lead	Mod. NIOSH 7300	ICPMS
01A FL10 SOUTH	06/16/11	GFF+Florisil	24.4	L	PCB Air	Mod. NIOSH 5503	
02A FL10 NORTH	06/16/11	↓	26.2	↓	↓	↓	
03A FL4 SOUTH	06/16/11	↓	29.8	↓	↓	↓	
04A FL4 NORTH	06/16/11	↓	31.0	↓	↓	↓	
05A FL3 NORTH	06/16/11	↓	28.0	↓	↓	↓	
06A FL2 SOUTH	06/16/11	↓	24.6	↓	↓	↓	
07A GFL LOBBY	06/16/11	↓	24.4	↓	↓	↓	
08A FL1 LOBBY	06/16/11	↓	24.4	↓	↓	↓	
09A FL1 NLOBBY	06/16/11	↓	24.8	↓	↓	↓	
10A FL1 SLOBBY	06/16/11	↓	24.2	↓	↓	↓	

For Hexavalent Chromium: process must be listed for each sample submitted (ex. welding, plating, painting, etc.)*:

For Crystalline Silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:

List description of industry or process/interferences present in sampling area:

Comments:

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by :	Dina Dellicolli	Dina Dellicolli	6/17/11
Received by LAB :	M. Krause	M. Krause	6/21/11 1054

Samples received after 3pm will be considered as next day's business.

***Required fields, failure to complete these fields may result in a delay in your samples being processed.**

Page 1 **of** 1

LAB ORIGINAL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

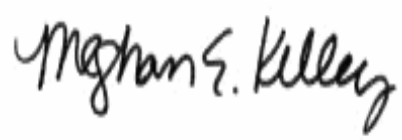
June 23, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11F0648

Enclosed are results of analyses for samples received by the laboratory on June 17, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY
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ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 6/23/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11F0648

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1-B	11F0648-01	Caulk	North-4th Fl - caulk	SW-846 6010C	
				SW-846 8082A	
2-B	11F0648-02	Caulk	North-1st/2nd Fl - caulk	SW-846 6010C	
				SW-846 8082A	
3-B	11F0648-03	Caulk	North-ground - caulk	SW-846 6010C	
				SW-846 8082A	
4-B	11F0648-04	Caulk	North-4th Fl - caulk	SW-846 6010C	
				SW-846 8082A	
5-B	11F0648-05	Caulk	North-3rd Fl - caulk	SW-846 6010C	
				SW-846 8082A	
6-B	11F0648-06	Caulk	North-6th Fl Int. - caulk	SW-846 6010C	
				SW-846 8082A	
7-B	11F0648-07	Caulk	South -2nd/3rd Fl -caulk	SW-846 6010C	
				SW-846 8082A	
8-B	11F0648-08	Caulk	South-4th Fl - caulk	SW-846 6010C	
				SW-846 8082A	
9-B	11F0648-09	Caulk	South-ground - caulk	SW-846 6010C	
				SW-846 8082A	
10-B	11F0648-10	Caulk	South 2nd Fl - caulk	SW-846 6010C	
				SW-846 8082A	
11-B	11F0648-11	Caulk	South 3rd Fl - caulk	SW-846 6010C	
				SW-846 8082A	
2-W	11F0648-12	Wipe	North 1st/2nd Fl - wipe	SW-846 8082A	
3-W	11F0648-13	Wipe	North- ground - wipe	SW-846 8082A	
4-W	11F0648-14	Wipe	North-4th Fl - wipe	SW-846 8082A	
5-W	11F0648-15	Wipe	North 3rd Fl - wipe	SW-846 8082A	
6-W	11F0648-16	Wipe	North-6th Fl Int.- wipe	SW-846 8082A	
7-W	11F0648-17	Wipe	South-2nd/3rd Fl - wipe	SW-846 8082A	
8-W	11F0648-18	Wipe	South-4th Fl - wipe	SW-846 8082A	
9-W	11F0648-19	Wipe	South-ground - wipe	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11F0648-01[1-B], 11F0648-02[2-B], 11F0648-03[3-B], 11F0648-04[4-B], 11F0648-05[5-B], 11F0648-06[6-B], 11F0648-07[7-B], 11F0648-08[8-B], 11F0648-09[9-B], 11F0648-10[10-B], 11F0648-11[11-B]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 1-B | Sampled: 6/16/2011 06:00

Sample ID: 11F0648-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1221 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1232 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1242 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1248 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1254 [2]	11000	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1260 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1262 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG
Aroclor-1268 [1]	ND	940	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 16:47	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 16:47
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 16:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 16:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 16:47

con-test® ANALYTICAL LABORATORY
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Project Location: JFK Building | Sample Description: North-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 1-B | Sampled: 6/16/2011 06:00

Sample ID: 11F0648-01

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.71	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:13	OP

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Project Location: JFK Building | Sample Description: North-1st/2nd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 2-B | Sampled: 6/16/2011 06:05

Sample ID: 11F0648-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1221 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1232 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1242 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1248 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1254 [2]	20000	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1260 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1262 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG
Aroclor-1268 [1]	ND	980	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 17:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 17:02
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 17:02
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 17:02
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 17:02

con-test® ANALYTICAL LABORATORY
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Project Location: JFK Building | Sample Description: North-1st/2nd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 2-B | Sampled: 6/16/2011 06:05

Sample ID: 11F0648-02

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	3.8	0.73	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:18	OP

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Project Location: JFK Building | Sample Description: North-ground - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 3-B | Sampled: 6/16/2011 06:10

Sample ID: 11F0648-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1221 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1232 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1242 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1248 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1254 [2]	23000	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1260 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1262 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG
Aroclor-1268 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 17:16
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 17:16
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 17:16
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 17:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-ground - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 3-B | Sampled: 6/16/2011 06:10

Sample ID: 11F0648-03

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.82	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:24	OP

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 4-B | Sampled: 6/16/2011 06:15

Sample ID: 11F0648-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1221 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1232 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1242 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1248 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1254 [2]	27000	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1260 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1262 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG
Aroclor-1268 [1]	ND	1900	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 17:31
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 17:31
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 17:31
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 17:31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 4-B | Sampled: 6/16/2011 06:15

Sample ID: 11F0648-04

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	12	0.70	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:45	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-3rd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 5-B | Sampled: 6/16/2011 06:20

Sample ID: 11F0648-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1221 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1232 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1242 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1248 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1254 [2]	28000	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1260 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1262 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG
Aroclor-1268 [1]	ND	1800	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 17:45	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 17:45
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 17:45
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 17:45
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 17:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-3rd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 5-B | Sampled: 6/16/2011 06:20

Sample ID: 11F0648-05

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	2.3	0.81	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:49	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-6th Fl Int. - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 6-B | Sampled: 6/16/2011 06:25

Sample ID: 11F0648-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1221 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1232 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1242 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1248 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1254 [2]	38	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1260 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1262 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG
Aroclor-1268 [1]	ND	18	mg/Kg	100		SW-846 8082A	6/20/11	6/22/11 17:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 17:59
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 17:59
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 17:59
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 17:59

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-6th Fl Int. - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 6-B | Sampled: 6/16/2011 06:25

Sample ID: 11F0648-06

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.78	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 15:55	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South -2nd/3rd Fl -caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 7-B | Sampled: 6/16/2011 06:30

Sample ID: 11F0648-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1221 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1232 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1242 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1248 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1254 [2]	58000	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1260 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1262 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG
Aroclor-1268 [1]	ND	4600	mg/Kg	25000		SW-846 8082A	6/20/11	6/22/11 18:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 18:14
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 18:14
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 18:14
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 18:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South -2nd/3rd Fl -caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 7-B | Sampled: 6/16/2011 06:30

Sample ID: 11F0648-07

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.77	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 16:00	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 8-B | Sampled: 6/16/2011 06:35

Sample ID: 11F0648-08

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1221 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1232 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1242 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1248 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1254 [2]	380	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1260 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1262 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG
Aroclor-1268 [1]	ND	86	mg/Kg	500		SW-846 8082A	6/20/11	6/22/11 18:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 18:28
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 18:28
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 18:28
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 18:28

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-4th Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 8-B | Sampled: 6/16/2011 06:35

Sample ID: 11F0648-08

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	25	0.80	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 16:06	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-ground - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 9-B | Sampled: 6/16/2011 06:40

Sample ID: 11F0648-09

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1221 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1232 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1242 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1248 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1254 [2]	17000	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1260 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1262 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG
Aroclor-1268 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:42	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 18:42
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 18:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 18:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 18:42

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-ground - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 9-B | Sampled: 6/16/2011 06:40

Sample ID: 11F0648-09

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.74	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 16:11	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South 2nd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 10-B | Sampled: 6/16/2011 06:45

Sample ID: 11F0648-10

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1221 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1232 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1242 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1248 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1254 [2]	11000	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1260 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1262 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG
Aroclor-1268 [1]	ND	960	mg/Kg	5000		SW-846 8082A	6/20/11	6/22/11 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 18:57
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 18:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 18:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 18:57

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South 2nd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 10-B | Sampled: 6/16/2011 06:45

Sample ID: 11F0648-10

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.70	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 16:17	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South 3rd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 11-B | Sampled: 6/16/2011 06:50

Sample ID: 11F0648-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1221 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1232 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1242 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1248 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1254 [2]	23000	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1260 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1262 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG
Aroclor-1268 [1]	ND	1700	mg/Kg	10000		SW-846 8082A	6/20/11	6/22/11 19:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/22/11 19:11
Decachlorobiphenyl [2]	*	30-150	S-01	6/22/11 19:11
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/22/11 19:11
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/22/11 19:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South 3rd Fl - caulk | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 11-B | Sampled: 6/16/2011 06:50

Sample ID: 11F0648-11

Sample Matrix: Caulk

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.75	mg/Kg	1		SW-846 6010C	6/20/11	6/21/11 16:22	KSH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North 1st/2nd Fl - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 2-W | Sampled: 6/16/2011 06:05

Sample ID: 11F0648-12

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1254 [2]	0.44	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 19:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.0	30-150		6/18/11 19:57
Decachlorobiphenyl [2]	84.0	30-150		6/18/11 19:57
Tetrachloro-m-xylene [1]	94.4	30-150		6/18/11 19:57
Tetrachloro-m-xylene [2]	89.8	30-150		6/18/11 19:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North- ground - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 3-W | Sampled: 6/16/2011 06:10

Sample ID: 11F0648-13

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1254 [2]	1.2	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 20:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.6	30-150		6/18/11 20:13
Decachlorobiphenyl [2]	86.7	30-150		6/18/11 20:13
Tetrachloro-m-xylene [1]	92.6	30-150		6/18/11 20:13
Tetrachloro-m-xylene [2]	86.5	30-150		6/18/11 20:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-4th Fl - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 4-W | Sampled: 6/16/2011 06:15

Sample ID: 11F0648-14

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1221 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1232 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1242 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1248 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1254 [2]	5.7	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1260 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1262 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB
Aroclor-1268 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	6/17/11	6/19/11 15:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	98.6	30-150		6/19/11 15:56
Decachlorobiphenyl [2]	98.0	30-150		6/19/11 15:56
Tetrachloro-m-xylene [1]	98.3	30-150		6/19/11 15:56
Tetrachloro-m-xylene [2]	104	30-150		6/19/11 15:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North 3rd Fl - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 5-W | Sampled: 6/16/2011 06:20

Sample ID: 11F0648-15

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1221 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1232 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1242 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1248 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1254 [2]	2.9	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1260 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1262 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB
Aroclor-1268 [1]	ND	0.40	µg/Wipe	2		SW-846 8082A	6/17/11	6/19/11 16:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.8	30-150		6/19/11 16:12
Decachlorobiphenyl [2]	88.2	30-150		6/19/11 16:12
Tetrachloro-m-xylene [1]	94.6	30-150		6/19/11 16:12
Tetrachloro-m-xylene [2]	90.4	30-150		6/19/11 16:12

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: North-6th Fl Int.- wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 6-W | Sampled: 6/16/2011 06:25

Sample ID: 11F0648-16

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1254 [2]	0.39	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.9	30-150		6/18/11 21:00
Decachlorobiphenyl [2]	93.7	30-150		6/18/11 21:00
Tetrachloro-m-xylene [1]	93.6	30-150		6/18/11 21:00
Tetrachloro-m-xylene [2]	102	30-150		6/18/11 21:00

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-2nd/3rd Fl - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 7-W | Sampled: 6/16/2011 06:30

Sample ID: 11F0648-17

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1254 [2]	0.78	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.5	30-150		6/18/11 21:15
Decachlorobiphenyl [2]	88.2	30-150		6/18/11 21:15
Tetrachloro-m-xylene [1]	92.3	30-150		6/18/11 21:15
Tetrachloro-m-xylene [2]	87.8	30-150		6/18/11 21:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-4th Fl - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 8-W | Sampled: 6/16/2011 06:35

Sample ID: 11F0648-18

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1254 [2]	0.82	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.2	30-150		6/18/11 21:31
Decachlorobiphenyl [2]	90.6	30-150		6/18/11 21:31
Tetrachloro-m-xylene [1]	88.5	30-150		6/18/11 21:31
Tetrachloro-m-xylene [2]	85.1	30-150		6/18/11 21:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: South-ground - wipe | Work Order: 11F0648

Date Received: 6/17/2011

Field Sample #: 9-W | Sampled: 6/16/2011 06:40

Sample ID: 11F0648-19

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1254 [2]	0.70	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	6/17/11	6/18/11 21:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.6	30-150		6/18/11 21:47
Decachlorobiphenyl [2]	90.4	30-150		6/18/11 21:47
Tetrachloro-m-xylene [1]	95.5	30-150		6/18/11 21:47
Tetrachloro-m-xylene [2]	93.0	30-150		6/18/11 21:47

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11F0648-01 [1-B]	B032334	1.06	50.0	06/20/11
11F0648-02 [2-B]	B032334	1.02	50.0	06/20/11
11F0648-03 [3-B]	B032334	0.913	50.0	06/20/11
11F0648-04 [4-B]	B032334	1.07	50.0	06/20/11
11F0648-05 [5-B]	B032334	0.922	50.0	06/20/11
11F0648-06 [6-B]	B032334	0.960	50.0	06/20/11
11F0648-07 [7-B]	B032334	0.973	50.0	06/20/11
11F0648-08 [8-B]	B032334	0.943	50.0	06/20/11
11F0648-09 [9-B]	B032334	1.01	50.0	06/20/11
11F0648-10 [10-B]	B032334	1.06	50.0	06/20/11
11F0648-11 [11-B]	B032334	1.00	50.0	06/20/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11F0648-01 [1-B]	B032359	0.534	10.0	06/20/11
11F0648-02 [2-B]	B032359	0.509	10.0	06/20/11
11F0648-03 [3-B]	B032359	0.561	10.0	06/20/11
11F0648-04 [4-B]	B032359	0.518	10.0	06/20/11
11F0648-05 [5-B]	B032359	0.550	10.0	06/20/11
11F0648-06 [6-B]	B032359	0.570	10.0	06/20/11
11F0648-07 [7-B]	B032359	0.545	10.0	06/20/11
11F0648-08 [8-B]	B032359	0.583	10.0	06/20/11
11F0648-09 [9-B]	B032359	0.521	10.0	06/20/11
11F0648-10 [10-B]	B032359	0.523	10.0	06/20/11
11F0648-11 [11-B]	B032359	0.587	10.0	06/20/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
11F0648-12 [2-W]	B032286	1.00	10.0	06/17/11
11F0648-13 [3-W]	B032286	1.00	10.0	06/17/11
11F0648-14 [4-W]	B032286	1.00	10.0	06/17/11
11F0648-15 [5-W]	B032286	1.00	10.0	06/17/11
11F0648-16 [6-W]	B032286	1.00	10.0	06/17/11
11F0648-17 [7-W]	B032286	1.00	10.0	06/17/11
11F0648-18 [8-W]	B032286	1.00	10.0	06/17/11
11F0648-19 [9-W]	B032286	1.00	10.0	06/17/11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B032286 - SW-846 3540C										
Blank (B032286-BLK1)				Prepared: 06/17/11 Analyzed: 06/18/11						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.61*		µg/Wipe	2.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.64*		µg/Wipe	2.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/Wipe	2.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/Wipe	2.00		86.7	30-150			
LCS (B032286-BS1)				Prepared: 06/17/11 Analyzed: 06/18/11						
Aroclor-1016	0.58	0.20	µg/Wipe	0.500		116	40-140			
Aroclor-1016 [2C]	0.56	0.20	µg/Wipe	0.500		113	40-140			
Aroclor-1260	0.52	0.20	µg/Wipe	0.500		103	40-140			
Aroclor-1260 [2C]	0.54	0.20	µg/Wipe	0.500		108	40-140			
Surrogate: Decachlorobiphenyl	*1.84*		µg/Wipe	2.00		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.79*		µg/Wipe	2.00		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.85*		µg/Wipe	2.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/Wipe	2.00		89.8	30-150			
LCS Dup (B032286-BSD1)				Prepared: 06/17/11 Analyzed: 06/18/11						
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		95.3	40-140	19.9	30	
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		99.9	40-140	11.9	30	
Aroclor-1260	0.56	0.20	µg/Wipe	0.500		112	40-140	7.98	30	
Aroclor-1260 [2C]	0.56	0.20	µg/Wipe	0.500		112	40-140	3.22	30	
Surrogate: Decachlorobiphenyl	*1.82*		µg/Wipe	2.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/Wipe	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/Wipe	2.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.74*		µg/Wipe	2.00		86.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B032359 - SW-846 3540C										
Blank (B032359-BLK1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.00*		mg/Kg	4.00		75.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.71*		mg/Kg	4.00		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*3.62*		mg/Kg	4.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.78*		mg/Kg	4.00		94.6	30-150			
LCS (B032359-BS1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Aroclor-1016	3.3	0.20	mg/Kg	4.00		81.4	40-140			
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		84.8	40-140			
Aroclor-1260	3.2	0.20	mg/Kg	4.00		79.9	40-140			
Aroclor-1260 [2C]	2.8	0.20	mg/Kg	4.00		69.1	40-140			
Surrogate: Decachlorobiphenyl	*2.46*		mg/Kg	4.00		61.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.03*		mg/Kg	4.00		75.7	30-150			
Surrogate: Tetrachloro-m-xylene	*2.94*		mg/Kg	4.00		73.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.12*		mg/Kg	4.00		78.0	30-150			
LCS Dup (B032359-BSD1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Aroclor-1016	3.6	0.20	mg/Kg	4.00		91.0	40-140	11.1	30	
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		94.7	40-140	11.0	30	
Aroclor-1260	3.8	0.20	mg/Kg	4.00		95.2	40-140	17.5	30	
Aroclor-1260 [2C]	3.3	0.20	mg/Kg	4.00		82.9	40-140	18.2	30	
Surrogate: Decachlorobiphenyl	*3.41*		mg/Kg	4.00		85.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.78*		mg/Kg	4.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	*3.61*		mg/Kg	4.00		90.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.78*		mg/Kg	4.00		94.5	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B032334 - SW-846 3050B										
Blank (B032334-BLK1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Lead	ND	0.75	mg/Kg							
LCS (B032334-BS1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Lead	86.8	1.5	mg/Kg	92.4		94.0	78.9-121.1			
LCS (B032334-BS2)				Prepared: 06/20/11 Analyzed: 06/21/11						
Lead	0.714	0.72	mg/Kg	0.721		99.1	80-120			
LCS Dup (B032334-BSD1)				Prepared: 06/20/11 Analyzed: 06/21/11						
Lead	88.3	1.5	mg/Kg	92.4		95.5	78.9-121.1	1.64	30	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010C in Product/Solid	
Lead	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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CHAIN OF CUSTODY RECORD

11F0648

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of ~~2~~

Company Name: ATC Assoc.
Address: 600 W. Cummings Park
Ste 5450
Attention: Dan White
Project Location: JFK Building
Sampled By: Mike Tiernan

Telephone: (781) 404-1432
Project # 60.41885.0001
Client PO #

DATA DELIVERY (check one):
☐FAX ☒EMAIL ☒WEBSITE CLIENT
Fax #:
Email: Daniel.White@ATCAssociates.com
Format: ☒EXCEL ☒PDF ☐GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ______ proposal date
State Form Required? ☐ yes ☒ no

ANALYSIS REQUESTED

	PCBs (8082)/Soxhlet Ext.	Total Lead (6010)	~~PCBs~~	PCBs (8082)/Soxhlet Ext.
# of containers	1			~~1~~
**Preservation	I			O
~Cont.Code	~~O~~			G

Field ID	Sample Description	Lab #	Start Date/~~Time~~	~~Stop Date~~/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs (8082)/Soxhlet Ext.	Total Lead (6010)	Client Comments
1-B	North ~~E~~ -4th Fl - Caulk		6/16/11	0600		X	O	U	X	X	
2-B	North - 1st/2nd Fl - Caulk		↓	0605		↓	↓	↓	↓	↓	
3-B	North - Ground - Caulk		↓	0610		↓	↓	↓	↓	↓	
4-B	North - 4th Fl - Caulk		↓	0615		↓	↓	↓	↓	↓	
5-B	North - 3rd Fl - Caulk		↓	0620		↓	↓	↓	↓	↓	
6-B	North - 6th Fl Int. - Caulk		↓	0625		↓	↓	↓	↓	↓	
7-B	South - 2nd/3rd Fl - Caulk		↓	0630		↓	↓	↓	↓	↓	
8-B	South - 4th Fl - Caulk		↓	0635		↓	↓	↓	↓	↓	

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V= vial, S=summa can, T=tedlar bag, O=Other Plastic Bag

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) [signature]	6/17/11 1400
Received by: (signature) [signature]	6/17 1420
Relinquished by: (signature) [signature]	6/17 1910
Received by: (signature) [signature] 4.5°C	6/17/11 19:10

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other
RUSH *
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? TSCA PCB Caulk - 1 ppm
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's:

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Caulk

**Preservation Codes:
I = Iced
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other Hexane

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

Page 1 of 4

11F0648

Company Name: ATC Assoc.
Address: 600 W. Cummings Park Ste 5450
Attention: Dan White
Project Location: JFK Building
Sampled By: Mike Tiernan

Telephone: (781) 404-1432
Project # 60.41885.0001
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☑ WEBSITE CLIENT
Fax #:
Email: Daniel.White@ATCAssociates.com
Format: ☑ EXCEL ☑ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☒ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs (8082) Soxhlet Ext.	Total Lead (6010)	PCBs (8082) Soxhlet Ext.	# of containers	**Preservation	~Cont.Code
									V	V	V	1		
									H	H	O			
									Q	Q	G			
9-B	South-Ground-Caulk		6/16/11	0640		X	O	U	X	X				
10-B	South-2nd Fl-Caulk			0645			O	U	X	X				
11-B	South-3rd Fl-Caulk			0650			O	U	X	X				
2-W	North-1st/2nd Fl-Wipe			0605		X	Wipe	U			X			
3-W	North-Ground-Wipe			0610										
4-W	North-4th Fl-Wipe			0615										
5-W	North-3rd Fl-Wipe			0620										
6-W	North-6th Fl Int.-Wipe			0625										

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other Plastic Bag

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	6/17/11 1450
Received by: (signature)	Date/Time:
	6/17 1450
Relinquished by: (signature)	Date/Time:
	6/17 1910
Received by: (signature)	Date/Time:
	6/17/11 19:10

Turnaround **
☐ 7-Day
☐ 10-Day
~~☐~~ Other ~~☒~~
RUSH
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? TSCA PCB 1 ppm Caulk
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's:

***Matrix Code:**
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other Caulk

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other Hexane
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Page 3 of 3

11F0648

Company Name: ATC Assoc. Telephone: 781-404-4432
Address: 600 W. Cummings Park Ste 5450 Project # 60.41885.0001
Client PO#
Attention: Dan White
Project Location: JFK Buildings
Sampled By: Mike Tiernan

DATA DELIVERY (check all that apply)
○ FAX ⊗ EMAIL ⊗ WEBSITE
Fax #
Email: Daniel.White@ATCAssociates.com
Format: ⊗ PDF ⊗ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: PCBs (8082) Soxhlet Ext.
	7-W South-2nd/3rd Fl-Wipe	6/16/11	0630		X	Wipe	U				X
	8-W South-4th Fl-Wipe	↓	0635		↓	↓	↓				↓
	9-W South-Ground-Wipe	↓	0640		↓	↓	↓				↓

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other Hexane

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Wipe

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
Daniel P. White	6/17/11 1450						
			6/17 1450				
					6/17 19:10		
							6/17/11 19:10

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: TSCA

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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Sample Receipt Checklist

CLIENT NAME: ATC Assoc. RECEIVED BY: CB DATE: 6/17/14

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank 4.5°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	8
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	11
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

con-test® ANALYTICAL LABORATORY
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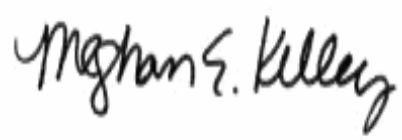
August 18, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11H0456

Enclosed are results of analyses for samples received by the laboratory on August 11, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY
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ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 8/18/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11H0456

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
3-W-F	11H0456-01	Wipe		SW-846 8082A	
3-W-W	11H0456-02	Wipe		SW-846 8082A	
3-G	11H0456-03	Soil		SM 2540G	
				SW-846 8082A	
3-W-Granite 1 ft	11H0456-04	Product/Solid		SW-846 8082A	
3-W-Granite 4 ft	11H0456-05	Product/Solid		SW-846 8082A	
3-C-1	11H0456-06	Concrete		SW-846 8082A	
3-C-3	11H0456-07	Concrete		SW-846 8082A	
3-C-6	11H0456-08	Concrete		SW-846 8082A	
3-C-12	11H0456-09	Concrete		SW-846 8082A	
9-W-F	11H0456-10	Wipe		SW-846 8082A	
9-W-W	11H0456-11	Wipe		SW-846 8082A	
9-G	11H0456-12	Soil		SM 2540G	
				SW-846 8082A	
9-C-1	11H0456-13	Concrete		SW-846 8082A	
9-C-3	11H0456-14	Concrete		SW-846 8082A	
9-C-6	11H0456-15	Concrete		SW-846 8082A	
9-C-12	11H0456-16	Concrete		SW-846 8082A	
9-W-W2	11H0456-17	Wipe		SW-846 8082A	
W-Blank	11H0456-18	Wipe		SW-846 8082A	
7-W-F	11H0456-19	Wipe		SW-846 8082A	
7-W-W	11H0456-20	Wipe		SW-846 8082A	
8-W-F	11H0456-21	Wipe		SW-846 8082A	
8-W-W	11H0456-22	Wipe		SW-846 8082A	
7-G	11H0456-23	Soil		SM 2540G	
				SW-846 8082A	
8-G	11H0456-24	Soil		SM 2540G	
				SW-846 8082A	
7-middle-caulk-window seal	11H0456-25	Caulk		SW-846 8082A	
7-middle-G	11H0456-26	Caulk		SW-846 8082A	
7-middle-caulk-frame/beam	11H0456-27	Caulk		SW-846 8082A	
8-middle-caulk-window seal	11H0456-28	Caulk		SW-846 8082A	
8-middle-G	11H0456-29	Caulk		SW-846 8082A	
8-middle-caulk-frame/beam	11H0456-30	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 08/18/2011 - Sample -03 ID revised.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11H0456-03[3-G], 11H0456-12[9-G]

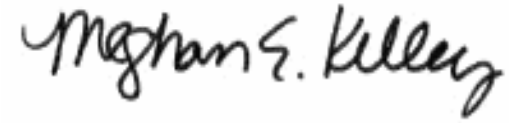
Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene

11H0456-28[8-middle-caulk-window seal]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Chemist

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-W-F | Sampled: 8/8/2011 07:30

Sample ID: 11H0456-01

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1254 [2]	0.89	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		8/13/11 11:47
Decachlorobiphenyl [2]	96.1	30-150		8/13/11 11:47
Tetrachloro-m-xylene [1]	104	30-150		8/13/11 11:47
Tetrachloro-m-xylene [2]	101	30-150		8/13/11 11:47

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-W-W | Sampled: 8/8/2011 07:33

Sample ID: 11H0456-02

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 11:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/13/11 11:59
Decachlorobiphenyl [2]	100	30-150		8/13/11 11:59
Tetrachloro-m-xylene [1]	111	30-150		8/13/11 11:59
Tetrachloro-m-xylene [2]	108	30-150		8/13/11 11:59

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-G | Sampled: 8/8/2011 07:38

Sample ID: 11H0456-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1221 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1232 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1242 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1248 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1254 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1260 [1]	22000	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1262 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB
Aroclor-1268 [1]	ND	9900	mg/Kg	50000		SW-846 8082A	8/12/11	8/17/11 9:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/17/11 9:24
Decachlorobiphenyl [2]	*	30-150	S-01	8/17/11 9:24
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/17/11 9:24
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/17/11 9:24

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-G | Sampled: 8/8/2011 07:38

Sample ID: 11H0456-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	8/14/11	8/15/11 8:44	PJS

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-W-Granite 1 ft | Sampled: 8/8/2011 07:40

Sample ID: 11H0456-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		8/13/11 12:12
Decachlorobiphenyl [2]	103	30-150		8/13/11 12:12
Tetrachloro-m-xylene [1]	112	30-150		8/13/11 12:12
Tetrachloro-m-xylene [2]	109	30-150		8/13/11 12:12

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-W-Granite 4 ft | Sampled: 8/8/2011 07:45

Sample ID: 11H0456-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		8/13/11 12:25
Decachlorobiphenyl [2]	105	30-150		8/13/11 12:25
Tetrachloro-m-xylene [1]	115	30-150		8/13/11 12:25
Tetrachloro-m-xylene [2]	113	30-150		8/13/11 12:25

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-C-1 | Sampled: 8/8/2011 10:00

Sample ID: 11H0456-06

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1254 [2]	10	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 20:53	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		8/15/11 20:53
Decachlorobiphenyl [2]	119	30-150		8/15/11 20:53
Tetrachloro-m-xylene [1]	110	30-150		8/15/11 20:53
Tetrachloro-m-xylene [2]	123	30-150		8/15/11 20:53

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-C-3 | Sampled: 8/8/2011 09:45

Sample ID: 11H0456-07

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1254 [2]	7.3	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	8/13/11	8/15/11 21:07	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		8/15/11 21:07
Decachlorobiphenyl [2]	123	30-150		8/15/11 21:07
Tetrachloro-m-xylene [1]	111	30-150		8/15/11 21:07
Tetrachloro-m-xylene [2]	126	30-150		8/15/11 21:07

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-C-6 | Sampled: 8/8/2011 09:25

Sample ID: 11H0456-08

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1254 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 16:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.3	30-150		8/15/11 16:55
Decachlorobiphenyl [2]	107	30-150		8/15/11 16:55
Tetrachloro-m-xylene [1]	94.6	30-150		8/15/11 16:55
Tetrachloro-m-xylene [2]	99.2	30-150		8/15/11 16:55

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 3-C-12 | Sampled: 8/8/2011 09:00

Sample ID: 11H0456-09

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1254 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.7	30-150		8/15/11 17:09
Decachlorobiphenyl [2]	116	30-150		8/15/11 17:09
Tetrachloro-m-xylene [1]	105	30-150		8/15/11 17:09
Tetrachloro-m-xylene [2]	110	30-150		8/15/11 17:09

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-W-F | Sampled: 8/8/2011 10:50

Sample ID: 11H0456-10

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		8/13/11 12:37
Decachlorobiphenyl [2]	94.6	30-150		8/13/11 12:37
Tetrachloro-m-xylene [1]	105	30-150		8/13/11 12:37
Tetrachloro-m-xylene [2]	103	30-150		8/13/11 12:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-W-W | Sampled: 8/8/2011 10:55

Sample ID: 11H0456-11

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 12:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/13/11 12:50
Decachlorobiphenyl [2]	97.6	30-150		8/13/11 12:50
Tetrachloro-m-xylene [1]	106	30-150		8/13/11 12:50
Tetrachloro-m-xylene [2]	104	30-150		8/13/11 12:50

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-G | Sampled: 8/8/2011 11:05

Sample ID: 11H0456-12

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1221 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1232 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1242 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1248 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1254 [1]	170	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1260 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1262 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB
Aroclor-1268 [1]	ND	46	mg/Kg	250		SW-846 8082A	8/12/11	8/17/11 9:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/17/11 9:37
Decachlorobiphenyl [2]	*	30-150	S-01	8/17/11 9:37
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/17/11 9:37
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/17/11 9:37

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-G | Sampled: 8/8/2011 11:05

Sample ID: 11H0456-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	8/14/11	8/15/11 8:44	PJS

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-C-1 | Sampled: 8/8/2011 11:50

Sample ID: 11H0456-13

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1254 [2]	0.53	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:23	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.0	30-150		8/15/11 17:23
Decachlorobiphenyl [2]	108	30-150		8/15/11 17:23
Tetrachloro-m-xylene [1]	101	30-150		8/15/11 17:23
Tetrachloro-m-xylene [2]	109	30-150		8/15/11 17:23

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-C-3 | Sampled: 8/8/2011 11:40

Sample ID: 11H0456-14

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1254 [1]	0.14	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.9	30-150		8/15/11 17:37
Decachlorobiphenyl [2]	113	30-150		8/15/11 17:37
Tetrachloro-m-xylene [1]	109	30-150		8/15/11 17:37
Tetrachloro-m-xylene [2]	117	30-150		8/15/11 17:37

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-C-6 | Sampled: 8/8/2011 11:30

Sample ID: 11H0456-15

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1254 [1]	0.18	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 17:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.3	30-150		8/15/11 17:51
Decachlorobiphenyl [2]	114	30-150		8/15/11 17:51
Tetrachloro-m-xylene [1]	102	30-150		8/15/11 17:51
Tetrachloro-m-xylene [2]	110	30-150		8/15/11 17:51

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-C-12 | Sampled: 8/8/2011 11:20

Sample ID: 11H0456-16

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1254 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/13/11	8/15/11 18:05	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.3	30-150		8/15/11 18:05
Decachlorobiphenyl [2]	102	30-150		8/15/11 18:05
Tetrachloro-m-xylene [1]	85.0	30-150		8/15/11 18:05
Tetrachloro-m-xylene [2]	91.8	30-150		8/15/11 18:05

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 9-W-W2 | Sampled: 8/8/2011 10:58

Sample ID: 11H0456-17

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		8/13/11 13:03
Decachlorobiphenyl [2]	95.9	30-150		8/13/11 13:03
Tetrachloro-m-xylene [1]	106	30-150		8/13/11 13:03
Tetrachloro-m-xylene [2]	105	30-150		8/13/11 13:03

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: W-Blank | Sampled: 8/8/2011 11:00

Sample ID: 11H0456-18

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/13/11 13:41
Decachlorobiphenyl [2]	100	30-150		8/13/11 13:41
Tetrachloro-m-xylene [1]	111	30-150		8/13/11 13:41
Tetrachloro-m-xylene [2]	108	30-150		8/13/11 13:41

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-W-F | Sampled: 8/9/2011 10:00

Sample ID: 11H0456-19

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1254 [2]	0.32	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 13:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		8/13/11 13:54
Decachlorobiphenyl [2]	95.8	30-150		8/13/11 13:54
Tetrachloro-m-xylene [1]	104	30-150		8/13/11 13:54
Tetrachloro-m-xylene [2]	102	30-150		8/13/11 13:54

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-W-W | Sampled: 8/9/2011 10:10

Sample ID: 11H0456-20

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		8/13/11 14:06
Decachlorobiphenyl [2]	102	30-150		8/13/11 14:06
Tetrachloro-m-xylene [1]	111	30-150		8/13/11 14:06
Tetrachloro-m-xylene [2]	108	30-150		8/13/11 14:06

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-W-F | Sampled: 8/9/2011 11:10

Sample ID: 11H0456-21

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/13/11 14:19
Decachlorobiphenyl [2]	96.7	30-150		8/13/11 14:19
Tetrachloro-m-xylene [1]	104	30-150		8/13/11 14:19
Tetrachloro-m-xylene [2]	101	30-150		8/13/11 14:19

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-W-W | Sampled: 8/9/2011 11:00

Sample ID: 11H0456-22

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1221 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1232 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1242 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1248 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1254 [2]	0.24	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1262 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/11/11	8/13/11 14:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	100	30-150		8/13/11 14:32
Decachlorobiphenyl [2]	94.5	30-150		8/13/11 14:32
Tetrachloro-m-xylene [1]	101	30-150		8/13/11 14:32
Tetrachloro-m-xylene [2]	100	30-150		8/13/11 14:32

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-G | Sampled: 8/9/2011 10:15

Sample ID: 11H0456-23

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1221 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1232 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1242 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1248 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1254 [1]	21	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1260 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1262 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB
Aroclor-1268 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/17/11 9:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	113	30-150		8/17/11 9:50
Decachlorobiphenyl [2]	82.9	30-150		8/17/11 9:50
Tetrachloro-m-xylene [1]	132	30-150		8/17/11 9:50
Tetrachloro-m-xylene [2]	120	30-150		8/17/11 9:50

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-G | Sampled: 8/9/2011 10:15

Sample ID: 11H0456-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	99.0		% Wt	1		SM 2540G	8/14/11	8/15/11 8:44	PJS

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-G | Sampled: 8/9/2011 11:15

Sample ID: 11H0456-24

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1254 [2]	11	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/17/11 10:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.0	30-150		8/17/11 10:03
Decachlorobiphenyl [2]	77.3	30-150		8/17/11 10:03
Tetrachloro-m-xylene [1]	117	30-150		8/17/11 10:03
Tetrachloro-m-xylene [2]	114	30-150		8/17/11 10:03

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-G | Sampled: 8/9/2011 11:15

Sample ID: 11H0456-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	99.1		% Wt	1		SM 2540G	8/14/11	8/15/11 8:44	PJS

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-middle-caulk-window seal | Sampled: 8/9/2011 10:30

Sample ID: 11H0456-25

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1221 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1232 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1242 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1248 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1254 [2]	12	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1260 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1262 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD
Aroclor-1268 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:19	FWD

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		8/15/11 14:19
Decachlorobiphenyl [2]	92.9	30-150		8/15/11 14:19
Tetrachloro-m-xylene [1]	118	30-150		8/15/11 14:19
Tetrachloro-m-xylene [2]	105	30-150		8/15/11 14:19

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-middle-G | Sampled: 8/9/2011 10:40

Sample ID: 11H0456-26

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1221 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1232 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1242 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1248 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1254 [1]	12	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1260 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1262 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD
Aroclor-1268 [1]	ND	3.8	mg/Kg	20		SW-846 8082A	8/12/11	8/15/11 14:32	FWD

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		8/15/11 14:32
Decachlorobiphenyl [2]	110	30-150		8/15/11 14:32
Tetrachloro-m-xylene [1]	116	30-150		8/15/11 14:32
Tetrachloro-m-xylene [2]	105	30-150		8/15/11 14:32

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 7-middle-caulk-frame/beam | Sampled: 8/9/2011 10:50

Sample ID: 11H0456-27

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1254 [2]	12	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:45	FWD

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/15/11 14:45
Decachlorobiphenyl [2]	101	30-150		8/15/11 14:45
Tetrachloro-m-xylene [1]	113	30-150		8/15/11 14:45
Tetrachloro-m-xylene [2]	110	30-150		8/15/11 14:45

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-middle-caulk-window seal | Sampled: 8/9/2011 11:30

Sample ID: 11H0456-28

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1248 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1254 [2]	16	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 14:58	FWD

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	125		30-150		8/15/11 14:58
Decachlorobiphenyl [2]	122		30-150		8/15/11 14:58
Tetrachloro-m-xylene [1]	**151**	*	30-150	S-12	8/15/11 14:58
Tetrachloro-m-xylene [2]	150		30-150		8/15/11 14:58

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-middle-G | Sampled: 8/9/2011 11:40

Sample ID: 11H0456-29

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1221 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1232 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1242 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1248 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1254 [2]	14	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1260 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1262 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD
Aroclor-1268 [1]	ND	0.98	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:11	FWD

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	119	30-150		8/15/11 15:11
Decachlorobiphenyl [2]	115	30-150		8/15/11 15:11
Tetrachloro-m-xylene [1]	129	30-150		8/15/11 15:11
Tetrachloro-m-xylene [2]	128	30-150		8/15/11 15:11

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Project Location: JFK Building | Sample Description: | Work Order: 11H0456

Date Received: 8/11/2011

Field Sample #: 8-middle-caulk-frame/beam | Sampled: 8/9/2011 11:50

Sample ID: 11H0456-30

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1221 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1232 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1242 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1248 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1254 [2]	6.8	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1260 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1262 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD
Aroclor-1268 [1]	ND	0.94	mg/Kg	5		SW-846 8082A	8/12/11	8/15/11 15:24	FWD

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/15/11 15:24
Decachlorobiphenyl [2]	103	30-150		8/15/11 15:24
Tetrachloro-m-xylene [1]	116	30-150		8/15/11 15:24
Tetrachloro-m-xylene [2]	116	30-150		8/15/11 15:24

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
11H0456-03 [3-G]	B035449	08/14/11
11H0456-12 [9-G]	B035449	08/14/11
11H0456-23 [7-G]	B035449	08/14/11
11H0456-24 [8-G]	B035449	08/14/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0456-03 [3-G]	B035441	0.504	10.0	08/12/11
11H0456-12 [9-G]	B035441	0.549	10.0	08/12/11
11H0456-23 [7-G]	B035441	0.522	10.0	08/12/11
11H0456-24 [8-G]	B035441	0.573	10.0	08/12/11
11H0456-25 [7-middle-caulk-window seal]	B035441	0.536	10.0	08/12/11
11H0456-26 [7-middle-G]	B035441	0.532	10.0	08/12/11
11H0456-27 [7-middle-caulk-frame/beam]	B035441	0.577	10.0	08/12/11
11H0456-28 [8-middle-caulk-window seal]	B035441	0.553	10.0	08/12/11
11H0456-29 [8-middle-G]	B035441	0.512	10.0	08/12/11
11H0456-30 [8-middle-caulk-frame/beam]	B035441	0.532	10.0	08/12/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0456-06 [3-C-1]	B035450	2.00	10.0	08/13/11
11H0456-07 [3-C-3]	B035450	2.00	10.0	08/13/11
11H0456-08 [3-C-6]	B035450	2.00	10.0	08/13/11
11H0456-09 [3-C-12]	B035450	2.00	10.0	08/13/11
11H0456-13 [9-C-1]	B035450	2.00	10.0	08/13/11
11H0456-14 [9-C-3]	B035450	2.00	10.0	08/13/11
11H0456-15 [9-C-6]	B035450	2.00	10.0	08/13/11
11H0456-16 [9-C-12]	B035450	2.00	10.0	08/13/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
11H0456-01 [3-W-F]	B035356	1.00	10.0	08/11/11
11H0456-02 [3-W-W]	B035356	1.00	10.0	08/11/11
11H0456-04 [3-W-Granite 1 ft]	B035356	1.00	10.0	08/11/11
11H0456-05 [3-W-Granite 4 ft]	B035356	1.00	10.0	08/11/11
11H0456-10 [9-W-F]	B035356	1.00	10.0	08/11/11
11H0456-11 [9-W-W]	B035356	1.00	10.0	08/11/11
11H0456-17 [9-W-W2]	B035356	1.00	10.0	08/11/11
11H0456-18 [W-Blank]	B035356	1.00	10.0	08/11/11
11H0456-19 [7-W-F]	B035356	1.00	10.0	08/11/11
11H0456-20 [7-W-W]	B035356	1.00	10.0	08/11/11
11H0456-21 [8-W-F]	B035356	1.00	10.0	08/11/11
11H0456-22 [8-W-W]	B035356	1.00	10.0	08/11/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035356 - SW-846 3540C										
Blank (B035356-BLK1)				Prepared: 08/11/11 Analyzed: 08/13/11						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*2.15*		µg/Wipe	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.01*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*2.09*		µg/Wipe	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.02*		µg/Wipe	2.00		101	30-150			
LCS (B035356-BS1)				Prepared: 08/11/11 Analyzed: 08/13/11						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		98.8	40-140			
Aroclor-1016 [2C]	0.56	0.20	µg/Wipe	0.500		112	40-140			
Aroclor-1260	0.52	0.20	µg/Wipe	0.500		104	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/Wipe	0.500		105	40-140			
Surrogate: Decachlorobiphenyl	*2.07*		µg/Wipe	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.95*		µg/Wipe	2.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	*2.09*		µg/Wipe	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.04*		µg/Wipe	2.00		102	30-150			
LCS Dup (B035356-BSD1)				Prepared: 08/11/11 Analyzed: 08/13/11						
Aroclor-1016	0.54	0.20	µg/Wipe	0.500		108	40-140	8.69	30	
Aroclor-1016 [2C]	0.59	0.20	µg/Wipe	0.500		117	40-140	4.99	30	
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		107	40-140	3.45	30	
Aroclor-1260 [2C]	0.55	0.20	µg/Wipe	0.500		109	40-140	4.05	30	
Surrogate: Decachlorobiphenyl	*2.16*		µg/Wipe	2.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.04*		µg/Wipe	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*2.19*		µg/Wipe	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.14*		µg/Wipe	2.00		107	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035441 - SW-846 3540C										
Blank (B035441-BLK1)				Prepared: 08/12/11 Analyzed: 08/15/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.05*		mg/Kg	4.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.26*		mg/Kg	4.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*4.14*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.22*		mg/Kg	4.00		105	30-150			
LCS (B035441-BS1)				Prepared: 08/12/11 Analyzed: 08/15/11						
Aroclor-1016	4.1	0.20	mg/Kg	4.00		103	40-140			
Aroclor-1016 [2C]	4.3	0.20	mg/Kg	4.00		106	40-140			
Aroclor-1260	3.5	0.20	mg/Kg	4.00		86.9	40-140			
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		93.9	40-140			
Surrogate: Decachlorobiphenyl	*4.06*		mg/Kg	4.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.10*		mg/Kg	4.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*4.28*		mg/Kg	4.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.33*		mg/Kg	4.00		108	30-150			
LCS Dup (B035441-BSD1)				Prepared: 08/12/11 Analyzed: 08/15/11						
Aroclor-1016	4.3	0.20	mg/Kg	4.00		106	40-140	3.62	30	
Aroclor-1016 [2C]	4.4	0.20	mg/Kg	4.00		111	40-140	3.99	30	
Aroclor-1260	3.5	0.20	mg/Kg	4.00		88.6	40-140	1.88	30	
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		95.0	40-140	1.18	30	
Surrogate: Decachlorobiphenyl	*3.74*		mg/Kg	4.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.78*		mg/Kg	4.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	*4.29*		mg/Kg	4.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.36*		mg/Kg	4.00		109	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035450 - SW-846 3540C										
Blank (B035450-BLK1)				Prepared: 08/13/11 Analyzed: 08/15/11						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.912*		mg/Kg	1.00		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			
LCS (B035450-BS1)				Prepared: 08/13/11 Analyzed: 08/15/11						
Aroclor-1016	0.28	0.10	mg/Kg	0.250		112	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.250		96.9	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		103	40-140			
Surrogate: Decachlorobiphenyl	*0.920*		mg/Kg	1.00		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.991*		mg/Kg	1.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.983*		mg/Kg	1.00		98.3	30-150			
LCS Dup (B035450-BSD1)				Prepared: 08/13/11 Analyzed: 08/15/11						
Aroclor-1016	0.28	0.10	mg/Kg	0.250		110	40-140	1.34	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140	2.69	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		98.2	40-140	1.32	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		106	40-140	2.80	30	
Surrogate: Decachlorobiphenyl	*0.915*		mg/Kg	1.00		91.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.09*		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.03*		mg/Kg	1.00		103	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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CHAIN OF CUSTODY RECORD

11H0456

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: ATC Associates
Address: 600 W. Cummings Park, Ste 5500
Woburn, MA 01801
Attention: Dan White
Project Location: JFK Building
Sampled By: DPW/MT

Telephone: (781) 932-9400
Project # 60.41885.0001 ~~Tests~~
Client PO # —

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax # : —
Email: Daniel.White@ATCAssociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes No proposal date

State Form Required?
☐ yes ☒ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs (8082/Soxhlet)	# of containers	**Preservation	~Cont.Code
01	~~F~~ 3-W-F	01	8/8/11	0730		X	O	L/M	X	1	None	G/O
02	3-W-W	02		0733			O					
03	3-G	03		0738			S					
04	3-W-Granite-1'	04		0740			O					
05	3-W-Granite-4'	05		0745			O					
06	3-C-1	06		1000			S					
07	3-C-3	07		0945			S					
08	3-C-6	08		0925			S					

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other Plastic Bag

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 1350 8-11-11
Received by: (signature)	Date/Time: 1350 8-11-11
Relinquished by: (signature)	Date/Time: 1830 8-11-11
Received by: (signature) Paula Blakeborough	Date/Time: 1830 8.11.11

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? EPA/TSCA
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's: Bulk = 1 ppm; Wipe = 10 µg/wipe

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Wipe

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other ____
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Due 8/15/11 per discussion w/ receptionist 8/10/11

AIHA, NELAC & WBE/DBE Certified

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www.contestlabs.com
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EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

11H0456

Company Name: ATC Assoc.
Address: 600 W. Cummings Park
Woburn, MA 01801
Attention: Dan White
Project Location: JFK Building
Sampled By: DRW/MT

Telephone: (781) 932-9400
Project # 60.41885.0001
Client PO # —

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax # : —
Email: Daniel.White@ATCAssociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes No proposal date
State Form Required? ☐ yes ☒ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs (8082/Soxhlet)	# of containers	**Preservation Code	~Cont. Code
09	3-C-12	09	8/8/11	0900		X	S	4/m	X	1	None	O
10	9-W-F	10		1050			O					
11	9-W-W	11		1055			O					
12	9-G	12		1105			S					
13	~~9-C-1~~ 9-C-1	13		1150			S					
14	9-C-3	14		1140								
15	9-C-6	15		1130								
16	9-C-12	16		1120								

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other Plastic Bag

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 1730 8-11-11	
Received by: (signature)	Date/Time: 1850 8-11-11	
Relinquished by: (signature)	Date/Time: 1850 8-11-11	
Received by: (signature) Paula Blakeslee	Date/Time: 1830 8.11.11	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? EPA/TSCA
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's: Bulk = 1 ppm; Wipe = 10 ug/wipe

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Wipe

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Due 8/15/11 per discussion w/ receptionist 8/10/11

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

11H0456

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: ATC Assoc.
Address: 600 W. Cummings Park, Ste 5450
Wobern, MA 01801
Attention: Dan White
Project Location: JFK Building
Sampled By: DPW/MT

Telephone: (781) 932-9400
Project # 60.41885.0001
Client PO # —

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email: Daniel.White@ATCAssociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes No proposal date

State Form Required?
☐ yes ☒ no

Field ID	Sample Description	Lab #	Date Sampled: ~~Start~~ Date/~~Time~~	Date Sampled: ~~Stop~~ Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs (8082/Soxhlet)	# of containers	**Preservative	~Cont. Code
17 J	9-W-W2	17	8/8/11	1058		X	O	L/M	X	1	None	G or O
18 J	W-Blank	18	8/8/11	1100			O	L				
19 J	7-W-F	19	8/9/11	1000			O	L/M				
20 J	7-W-W	20		1010			O					
21 J	8-W-F	21		1110			O					
22 J	8-W-W	22		1100			O					
23 J	7-G	23		1015			S					
24 J	8-G	24		1115			S					

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other Plastic Bag

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 1355 8-11-11
Received by: (signature)	Date/Time: 1355 8-11-11
Relinquished by: (signature)	Date/Time: 1830 8-11-11
Received by: (signature) Paula Blakeboro	Date/Time: 1830 8.11.11

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? EPA/TSCA
Data Enhancement Project/RCP? ☐ Y ☒ N
Special Requirements or DL's: Bulk = 1 ppm; Wipe = 10 µg/wipe

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Wipe

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

→ Due 8/15/11 per discussion w/ receptionist 8/10/11

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Page 4 of 4

11H0456

Company Name: ATC Assoc. Telephone: 781-932-9400
Address: 600 W. Cummings Park, Ste 5450, Woburn, MA 01801 Project # 60.41885.0001
Client PO# —
Attention: Dan White
Project Location: JFK Building
Sampled By: MT

DATA DELIVERY (check all that apply)
○ FAX ~~○ EMAIL~~ ~~○ WEBSITE~~
Fax #
Email: Daniel.White@ATCAssociates.com
Format: ~~○ PDF~~ ~~○ EXCEL~~ ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes No proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection ~~Beginning~~ Date/~~Time~~	Collection ~~Ending~~ ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc Code
25	7-Middle-Caulk-Window Seal	8/9/11	1030		X	S	L
26	7-Middle-G		1040				L/M
27	7-Middle-Caulk-Frame/Beam		1050				U
28	8-Middle-Caulk-Window Seal		1130				L
29	8-Middle-G		1140				L/M
30	8-Middle-Caulk-Frame/Beam		1150				U

# of Containers	1										
** Preservation	None										
***Container Code	O										
ANALYSIS REQUESTED: PCBs (8082/Soxhlet)	X										

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 1300 8-11-11
Received by: (signature)	Date/Time: 1300 8-11-11
Relinquished by: (signature)	Date/Time: 1830 8-11-11
Received by: (signature)	Date/Time: 1830 8.11.11

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
EPA TSCA
Connecticut:
Other: Bulk = 1 ppm

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Due 8/15/11 per discussion w/ receptionist 8/10/11

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: ATC RECEIVED BY: PB DATE: 8-11-14

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.6

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/(clear) jar	8
500 mL Amber		4 oz amber/(clear) jar	12
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	10
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

con-test® ANALYTICAL LABORATORY
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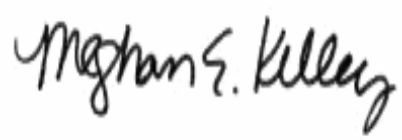
August 25, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11H0734

Enclosed are results of analyses for samples received by the laboratory on August 18, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 8/25/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11H0734

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
5-C-12	11H0734-01	Product/Solid		SW-846 8082A	
5-C-12-2	11H0734-02	Product/Solid		SW-846 8082A	
5-C-6	11H0734-03	Product/Solid		SW-846 8082A	
5-C-3	11H0734-04	Product/Solid		SW-846 8082A	
5-C-1	11H0734-05	Product/Solid		SW-846 8082A	
4-C-12	11H0734-06	Product/Solid		SW-846 8082A	
4-C-6	11H0734-07	Product/Solid		SW-846 8082A	
4-C-3	11H0734-08	Product/Solid		SW-846 8082A	
4-C-1	11H0734-09	Product/Solid		SW-846 8082A	
7-C-12	11H0734-10	Product/Solid		SW-846 8082A	
7-C-6	11H0734-11	Product/Solid		SW-846 8082A	
7-C-3	11H0734-12	Product/Solid		SW-846 8082A	
7-C-1	11H0734-13	Product/Solid		SW-846 8082A	
7-C-Top Pilaster	11H0734-14	Product/Solid		SW-846 8082A	
5-C-Top Pilaster	11H0734-15	Product/Solid		SW-846 8082A	
5-G	11H0734-16	Caulk		SW-846 8082A	
5-G-2	11H0734-17	Caulk		SW-846 8082A	
4-Middle-caulk frame beam	11H0734-18	Caulk	Frame beam	SW-846 8082A	
4-Middle-caulk window seal	11H0734-19	Caulk	caulk-window seal	SW-846 8082A	
4-Middle-G	11H0734-20	Caulk		SW-846 8082A	
4-W-W	11H0734-21	Wipe		SW-846 8082A	
4-W-F	11H0734-22	Wipe		SW-846 8082A	
4-Middle-W-F	11H0734-23	Wipe		SW-846 8082A	
4-Middle-W-W	11H0734-24	Wipe		SW-846 8082A	
7-Middle-W-F	11H0734-25	Wipe		SW-846 8082A	
7-Middle-W-W	11H0734-26	Wipe		SW-846 8082A	
8-Middle-W-F	11H0734-27	Wipe		SW-846 8082A	
8-Middle-W-W	11H0734-28	Wipe		SW-846 8082A	
5-W-W	11H0734-29	Wipe		SW-846 8082A	
5-W-F	11H0734-30	Wipe		SW-846 8082A	
11-S-caulk-louver	11H0734-31	Caulk		SW-846 8082A	
11-N-caulk-louver	11H0734-32	Caulk		SW-846 8082A	
9/10-N-caulk-W	11H0734-33	Caulk		SW-846 8082A	
9-N-caulk-E	11H0734-34	Caulk		SW-846 8082A	
9-S-caulk-W	11H0734-35	Caulk		SW-846 8082A	
7-N-caulk-louver	11H0734-36	Caulk		SW-846 8082A	
7-S-caulk-louver	11H0734-37	Caulk		SW-846 8082A	
6-S-caulk-W	11H0734-38	Caulk	caulk-W	SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11H0734-16[5-G], 11H0734-17[5-G-2], 11H0734-18[4-Middle-caulk frame beam], 11H0734-19[4-Middle-caulk window seal], 11H0734-20[4-Middle-G], 11H0734-31[11-S-caulk-louver], 11H0734-32[11-N-caulk-louver], 11H0734-33[9/10-N-caulk-W], 11H0734-34[9-N-caulk-E], 11H0734-35[9-S-caulk-W], 11H0734-36[7-N-caulk-louver], 11H0734-37[7-S-caulk-louver], 11H0734-38[6-S-caulk-W]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-12 | Sampled: 8/17/2011 05:30

Sample ID: 11H0734-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1254 [1]	0.15	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.6	30-150		8/23/11 0:10
Decachlorobiphenyl [2]	92.5	30-150		8/23/11 0:10
Tetrachloro-m-xylene [1]	105	30-150		8/23/11 0:10
Tetrachloro-m-xylene [2]	108	30-150		8/23/11 0:10

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-12-2 | Sampled: 8/17/2011 05:35

Sample ID: 11H0734-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1254 [1]	0.16	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 0:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/23/11 0:22
Decachlorobiphenyl [2]	96.1	30-150		8/23/11 0:22
Tetrachloro-m-xylene [1]	110	30-150		8/23/11 0:22
Tetrachloro-m-xylene [2]	112	30-150		8/23/11 0:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-6 | Sampled: 8/17/2011 05:50

Sample ID: 11H0734-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1221 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1232 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1242 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1248 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1254 [1]	4.1	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1260 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1262 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB
Aroclor-1268 [1]	ND	0.43	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		8/23/11 9:04
Decachlorobiphenyl [2]	99.8	30-150		8/23/11 9:04
Tetrachloro-m-xylene [1]	104	30-150		8/23/11 9:04
Tetrachloro-m-xylene [2]	113	30-150		8/23/11 9:04

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-3 | Sampled: 8/17/2011 06:00

Sample ID: 11H0734-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1254 [1]	0.78	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		8/23/11 9:17
Decachlorobiphenyl [2]	98.1	30-150		8/23/11 9:17
Tetrachloro-m-xylene [1]	109	30-150		8/23/11 9:17
Tetrachloro-m-xylene [2]	110	30-150		8/23/11 9:17

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-1 | Sampled: 8/17/2011 06:20

Sample ID: 11H0734-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1221 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1232 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1242 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1248 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1254 [1]	15	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1260 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1262 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB
Aroclor-1268 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 9:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	116	30-150		8/23/11 9:29
Decachlorobiphenyl [2]	120	30-150		8/23/11 9:29
Tetrachloro-m-xylene [1]	116	30-150		8/23/11 9:29
Tetrachloro-m-xylene [2]	134	30-150		8/23/11 9:29

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-C-12 | Sampled: 8/17/2011 07:00

Sample ID: 11H0734-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1254 [1]	0.41	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 9:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		8/23/11 9:42
Decachlorobiphenyl [2]	99.6	30-150		8/23/11 9:42
Tetrachloro-m-xylene [1]	112	30-150		8/23/11 9:42
Tetrachloro-m-xylene [2]	113	30-150		8/23/11 9:42

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-C-6 | Sampled: 8/17/2011 07:20

Sample ID: 11H0734-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1254 [1]	0.85	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 1:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		8/23/11 1:26
Decachlorobiphenyl [2]	96.2	30-150		8/23/11 1:26
Tetrachloro-m-xylene [1]	113	30-150		8/23/11 1:26
Tetrachloro-m-xylene [2]	115	30-150		8/23/11 1:26

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-C-3 | Sampled: 8/17/2011 07:40

Sample ID: 11H0734-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1254 [1]	2.2	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	8/19/11	8/23/11 9:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/23/11 9:55
Decachlorobiphenyl [2]	108	30-150		8/23/11 9:55
Tetrachloro-m-xylene [1]	116	30-150		8/23/11 9:55
Tetrachloro-m-xylene [2]	127	30-150		8/23/11 9:55

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-C-1 | Sampled: 8/17/2011 08:00

Sample ID: 11H0734-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1221 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1232 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1242 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1248 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1254 [1]	9.1	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1260 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1262 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB
Aroclor-1268 [1]	ND	1.7	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		8/23/11 10:08
Decachlorobiphenyl [2]	108	30-150		8/23/11 10:08
Tetrachloro-m-xylene [1]	106	30-150		8/23/11 10:08
Tetrachloro-m-xylene [2]	124	30-150		8/23/11 10:08

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-C-12 | Sampled: 8/17/2011 08:40

Sample ID: 11H0734-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1254 [1]	0.76	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		8/23/11 2:29
Decachlorobiphenyl [2]	104	30-150		8/23/11 2:29
Tetrachloro-m-xylene [1]	118	30-150		8/23/11 2:29
Tetrachloro-m-xylene [2]	119	30-150		8/23/11 2:29

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-C-6 | Sampled: 8/17/2011 09:00

Sample ID: 11H0734-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1254 [1]	0.37	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		8/23/11 2:42
Decachlorobiphenyl [2]	95.8	30-150		8/23/11 2:42
Tetrachloro-m-xylene [1]	111	30-150		8/23/11 2:42
Tetrachloro-m-xylene [2]	112	30-150		8/23/11 2:42

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-C-3 | Sampled: 8/17/2011 09:20

Sample ID: 11H0734-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1254 [1]	0.89	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 2:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		8/23/11 2:54
Decachlorobiphenyl [2]	96.7	30-150		8/23/11 2:54
Tetrachloro-m-xylene [1]	109	30-150		8/23/11 2:54
Tetrachloro-m-xylene [2]	111	30-150		8/23/11 2:54

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-C-1 | Sampled: 8/17/2011 09:40

Sample ID: 11H0734-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1254 [1]	0.74	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/23/11 3:07
Decachlorobiphenyl [2]	98.7	30-150		8/23/11 3:07
Tetrachloro-m-xylene [1]	118	30-150		8/23/11 3:07
Tetrachloro-m-xylene [2]	121	30-150		8/23/11 3:07

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-C-Top Pilaster | Sampled: 8/17/2011 10:00

Sample ID: 11H0734-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1254 [1]	0.54	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/19/11	8/23/11 3:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	105	30-150		8/23/11	3:20
Decachlorobiphenyl [2]	96.8	30-150		8/23/11	3:20
Tetrachloro-m-xylene [1]	114	30-150		8/23/11	3:20
Tetrachloro-m-xylene [2]	116	30-150		8/23/11	3:20

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-C-Top Pilaster | Sampled: 8/17/2011 06:30

Sample ID: 11H0734-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1254 [1]	14	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	8/19/11	8/23/11 10:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	120	30-150		8/23/11 10:20
Decachlorobiphenyl [2]	124	30-150		8/23/11 10:20
Tetrachloro-m-xylene [1]	122	30-150		8/23/11 10:20
Tetrachloro-m-xylene [2]	142	30-150		8/23/11 10:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-G | Sampled: 8/17/2011 05:10

Sample ID: 11H0734-16

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1221 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1232 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1242 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1248 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1254 [1]	42	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1260 [2]	26	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1262 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB
Aroclor-1268 [1]	ND	9.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:44	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 8:44
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 8:44
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 8:44
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 8:44

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-G-2 | Sampled: 8/17/2011 05:15

Sample ID: 11H0734-17

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1221 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1232 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1242 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1248 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1254 [1]	32	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1260 [2]	26	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1262 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB
Aroclor-1268 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 8:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 8:58
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 8:58
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 8:58
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 8:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: Frame beam | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-Middle-caulk frame beam | Sampled: 8/17/2011 10:30

Sample ID: 11H0734-18

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1221 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1232 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1242 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1248 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1254 [1]	25	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1260 [2]	41	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1262 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB
Aroclor-1268 [1]	ND	10	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 9:12
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 9:12
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 9:12
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 9:12

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: caulk-window seal | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-Middle-caulk window seal | Sampled: 8/17/2011 10:20

Sample ID: 11H0734-19

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1248 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1254 [1]	51	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 9:26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-Middle-G | Sampled: 8/17/2011 10:40

Sample ID: 11H0734-20

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1248 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1254 [1]	21	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 9:40
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 9:40
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 9:40
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 9:40

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-W-W | Sampled: 8/17/2011 11:00

Sample ID: 11H0734-21

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1254 [1]	0.23	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		8/22/11 17:49
Decachlorobiphenyl [2]	95.3	30-150		8/22/11 17:49
Tetrachloro-m-xylene [1]	112	30-150		8/22/11 17:49
Tetrachloro-m-xylene [2]	114	30-150		8/22/11 17:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-W-F | Sampled: 8/17/2011 11:20

Sample ID: 11H0734-22

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1221 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1232 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1242 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1248 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1254 [1]	4.9	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1260 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1262 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB
Aroclor-1268 [1]	ND	1.0	µg/Wipe	5		SW-846 8082A	8/18/11	8/23/11 8:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	107	30-150		8/23/11	8:39
Decachlorobiphenyl [2]	106	30-150		8/23/11	8:39
Tetrachloro-m-xylene [1]	110	30-150		8/23/11	8:39
Tetrachloro-m-xylene [2]	119	30-150		8/23/11	8:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-Middle-W-F | Sampled: 8/17/2011 11:40

Sample ID: 11H0734-23

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.8	30-150		8/22/11 18:14
Decachlorobiphenyl [2]	88.1	30-150		8/22/11 18:14
Tetrachloro-m-xylene [1]	110	30-150		8/22/11 18:14
Tetrachloro-m-xylene [2]	113	30-150		8/22/11 18:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 4-Middle-W-W | Sampled: 8/17/2011 12:00

Sample ID: 11H0734-24

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.3	30-150		8/22/11 18:27
Decachlorobiphenyl [2]	92.0	30-150		8/22/11 18:27
Tetrachloro-m-xylene [1]	117	30-150		8/22/11 18:27
Tetrachloro-m-xylene [2]	119	30-150		8/22/11 18:27

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-Middle-W-F | Sampled: 8/17/2011 12:20

Sample ID: 11H0734-25

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.0	30-150		8/22/11 18:40
Decachlorobiphenyl [2]	89.8	30-150		8/22/11 18:40
Tetrachloro-m-xylene [1]	111	30-150		8/22/11 18:40
Tetrachloro-m-xylene [2]	114	30-150		8/22/11 18:40

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-Middle-W-W | Sampled: 8/17/2011 12:40

Sample ID: 11H0734-26

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 18:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/22/11 18:52
Decachlorobiphenyl [2]	97.2	30-150		8/22/11 18:52
Tetrachloro-m-xylene [1]	119	30-150		8/22/11 18:52
Tetrachloro-m-xylene [2]	121	30-150		8/22/11 18:52

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 8-Middle-W-F | Sampled: 8/17/2011 13:00

Sample ID: 11H0734-27

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		8/22/11 19:05
Decachlorobiphenyl [2]	99.2	30-150		8/22/11 19:05
Tetrachloro-m-xylene [1]	122	30-150		8/22/11 19:05
Tetrachloro-m-xylene [2]	124	30-150		8/22/11 19:05

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 8-Middle-W-W | Sampled: 8/17/2011 13:20

Sample ID: 11H0734-28

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.9	30-150		8/22/11 19:18
Decachlorobiphenyl [2]	90.4	30-150		8/22/11 19:18
Tetrachloro-m-xylene [1]	115	30-150		8/22/11 19:18
Tetrachloro-m-xylene [2]	117	30-150		8/22/11 19:18

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-W-W | Sampled: 8/17/2011 05:20

Sample ID: 11H0734-29

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1254 [1]	0.42	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	8/18/11	8/22/11 19:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/22/11 19:30
Decachlorobiphenyl [2]	98.0	30-150		8/22/11 19:30
Tetrachloro-m-xylene [1]	120	30-150		8/22/11 19:30
Tetrachloro-m-xylene [2]	122	30-150		8/22/11 19:30

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 5-W-F | Sampled: 8/17/2011 05:25

Sample ID: 11H0734-30

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1221 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1232 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1242 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1248 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1254 [1]	16	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1260 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1262 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB
Aroclor-1268 [1]	ND	2.0	µg/Wipe	10		SW-846 8082A	8/18/11	8/23/11 8:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	105	30-150		8/23/11	8:51
Decachlorobiphenyl [2]	104	30-150		8/23/11	8:51
Tetrachloro-m-xylene [1]	111	30-150		8/23/11	8:51
Tetrachloro-m-xylene [2]	125	30-150		8/23/11	8:51

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 11-S-caulk-louver | Sampled: 8/17/2011 14:00

Sample ID: 11H0734-31

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1221 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1232 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1242 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1248 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1254 [1]	93	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1260 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1262 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB
Aroclor-1268 [1]	ND	8.9	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 9:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 9:54
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 9:54
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 9:54
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 9:54

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 11-N-caulk-louver | Sampled: 8/17/2011 14:10

Sample ID: 11H0734-32

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1221 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1232 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1242 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1248 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1254 [1]	41	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1260 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1262 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB
Aroclor-1268 [1]	ND	9.2	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 10:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 10:08
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 10:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 10:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 10:08

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 9/10-N-caulk-W | Sampled: 8/17/2011 14:20

Sample ID: 11H0734-33

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1221 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1232 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1242 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1248 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1254 [1]	300	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1260 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1262 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB
Aroclor-1268 [1]	ND	91	mg/Kg	500		SW-846 8082A	8/19/11	8/25/11 11:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 11:46
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 11:46
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 11:46
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 11:46

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 9-N-caulk-E | Sampled: 8/17/2011 14:30

Sample ID: 11H0734-34

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1221 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1232 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1242 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1248 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1254 [1]	42	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1260 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1262 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB
Aroclor-1268 [1]	ND	9.4	mg/Kg	50		SW-846 8082A	8/19/11	8/25/11 12:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 12:00
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 12:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 12:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 12:00

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 9-S-caulk-W | Sampled: 8/17/2011 14:40

Sample ID: 11H0734-35

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1221 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1232 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1242 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1248 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1254 [1]	81	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1260 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1262 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB
Aroclor-1268 [1]	ND	36	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 10:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 10:50
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 10:50
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 10:50
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 10:50

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Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-N-caulk-louver | Sampled: 8/17/2011 14:50

Sample ID: 11H0734-36

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1221 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1232 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1242 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1248 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1254 [1]	210	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1260 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1262 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB
Aroclor-1268 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 11:04
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 11:04
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 11:04
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 11:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 7-S-caulk-louver | Sampled: 8/17/2011 15:00

Sample ID: 11H0734-37

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1221 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1232 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1242 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1248 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1254 [1]	95	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1260 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1262 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB
Aroclor-1268 [1]	ND	39	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 11:18
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 11:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 11:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 11:18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building | Sample Description: caulk-W | Work Order: 11H0734

Date Received: 8/18/2011

Field Sample #: 6-S-caulk-W | Sampled: 8/17/2011 15:10

Sample ID: 11H0734-38

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1221 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1232 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1242 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1248 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1254 [1]	88	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1260 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1262 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB
Aroclor-1268 [1]	ND	37	mg/Kg	200		SW-846 8082A	8/19/11	8/25/11 11:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/25/11 11:32
Decachlorobiphenyl [2]	*	30-150	S-01	8/25/11 11:32
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/25/11 11:32
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/25/11 11:32

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0734-16 [5-G]	B035854	0.506	10.0	08/19/11
11H0734-17 [5-G-2]	B035854	0.546	10.0	08/19/11
11H0734-18 [4-Middle-caulk frame beam]	B035854	0.501	10.0	08/19/11
11H0734-19 [4-Middle-caulk window seal]	B035854	0.562	10.0	08/19/11
11H0734-20 [4-Middle-G]	B035854	0.564	10.0	08/19/11
11H0734-31 [11-S-caulk-louver]	B035854	0.561	10.0	08/19/11
11H0734-32 [11-N-caulk-louver]	B035854	0.543	10.0	08/19/11
11H0734-33 [9/10-N-caulk-W]	B035854	0.550	10.0	08/19/11
11H0734-34 [9-N-caulk-E]	B035854	0.533	10.0	08/19/11
11H0734-35 [9-S-caulk-W]	B035854	0.563	10.0	08/19/11
11H0734-36 [7-N-caulk-louver]	B035854	0.509	10.0	08/19/11
11H0734-37 [7-S-caulk-louver]	B035854	0.517	10.0	08/19/11
11H0734-38 [6-S-caulk-W]	B035854	0.542	10.0	08/19/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0734-01 [5-C-12]	B035853	2.00	10.0	08/19/11
11H0734-02 [5-C-12-2]	B035853	2.10	10.0	08/19/11
11H0734-03 [5-C-6]	B035853	2.30	10.0	08/19/11
11H0734-04 [5-C-3]	B035853	2.00	10.0	08/19/11
11H0734-05 [5-C-1]	B035853	2.30	10.0	08/19/11
11H0734-06 [4-C-12]	B035853	2.10	10.0	08/19/11
11H0734-07 [4-C-6]	B035853	2.00	10.0	08/19/11
11H0734-08 [4-C-3]	B035853	2.00	10.0	08/19/11
11H0734-09 [4-C-1]	B035853	2.30	10.0	08/19/11
11H0734-10 [7-C-12]	B035853	2.10	10.0	08/19/11
11H0734-11 [7-C-6]	B035853	2.10	10.0	08/19/11
11H0734-12 [7-C-3]	B035853	2.30	10.0	08/19/11
11H0734-13 [7-C-1]	B035853	2.00	10.0	08/19/11
11H0734-14 [7-C-Top Pilaster]	B035853	2.30	10.0	08/19/11
11H0734-15 [5-C-Top Pilaster]	B035853	2.00	10.0	08/19/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
11H0734-21 [4-W-W]	B035783	1.00	10.0	08/18/11
11H0734-22 [4-W-F]	B035783	1.00	10.0	08/18/11
11H0734-23 [4-Middle-W-F]	B035783	1.00	10.0	08/18/11
11H0734-24 [4-Middle-W-W]	B035783	1.00	10.0	08/18/11
11H0734-25 [7-Middle-W-F]	B035783	1.00	10.0	08/18/11
11H0734-26 [7-Middle-W-W]	B035783	1.00	10.0	08/18/11
11H0734-27 [8-Middle-W-F]	B035783	1.00	10.0	08/18/11
11H0734-28 [8-Middle-W-W]	B035783	1.00	10.0	08/18/11
11H0734-29 [5-W-W]	B035783	1.00	10.0	08/18/11
11H0734-30 [5-W-F]	B035783	1.00	10.0	08/18/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035783 - SW-846 3540C										
Blank (B035783-BLK1)				Prepared: 08/18/11 Analyzed: 08/22/11						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.89*		µg/Wipe	2.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.37*		µg/Wipe	2.00		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.42*		µg/Wipe	2.00		121	30-150			
LCS (B035783-BS1)				Prepared: 08/18/11 Analyzed: 08/22/11						
Aroclor-1016	0.63	0.20	µg/Wipe	0.500		126	40-140			
Aroclor-1016 [2C]	0.65	0.20	µg/Wipe	0.500		129	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1260 [2C]	0.57	0.20	µg/Wipe	0.500		115	40-140			
Surrogate: Decachlorobiphenyl	*2.02*		µg/Wipe	2.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/Wipe	2.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene	*2.36*		µg/Wipe	2.00		118	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.41*		µg/Wipe	2.00		121	30-150			
LCS Dup (B035783-BSD1)				Prepared: 08/18/11 Analyzed: 08/22/11						
Aroclor-1016	0.59	0.20	µg/Wipe	0.500		119	40-140	6.15	30	
Aroclor-1016 [2C]	0.66	0.20	µg/Wipe	0.500		131	40-140	1.25	30	
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		109	40-140	0.954	30	
Aroclor-1260 [2C]	0.56	0.20	µg/Wipe	0.500		111	40-140	2.97	30	
Surrogate: Decachlorobiphenyl	*2.00*		µg/Wipe	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.90*		µg/Wipe	2.00		95.0	30-150			
Surrogate: Tetrachloro-m-xylene	*2.38*		µg/Wipe	2.00		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.43*		µg/Wipe	2.00		121	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035853 - SW-846 3540C										
Blank (B035853-BLK1)				Prepared: 08/19/11 Analyzed: 08/22/11						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.36*		mg/Kg	1.00		136	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.38*		mg/Kg	1.00		138	30-150			
LCS (B035853-BS1)				Prepared: 08/19/11 Analyzed: 08/22/11						
Aroclor-1016	1.1	0.10	mg/Kg	1.00		106	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		105	40-140			
Aroclor-1260	1.0	0.10	mg/Kg	1.00		99.6	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		101	40-140			
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.980*		mg/Kg	1.00		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.16*		mg/Kg	1.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.17*		mg/Kg	1.00		117	30-150			
LCS Dup (B035853-BSD1)				Prepared: 08/19/11 Analyzed: 08/22/11						
Aroclor-1016	1.3	0.10	mg/Kg	1.00		132	40-140	21.2	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140	1.87	30	
Aroclor-1260	0.97	0.10	mg/Kg	1.00		96.9	40-140	2.75	30	
Aroclor-1260 [2C]	0.98	0.10	mg/Kg	1.00		98.2	40-140	2.95	30	
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.940*		mg/Kg	1.00		94.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.16*		mg/Kg	1.00		116	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035853 - SW-846 3540C										
Matrix Spike (B035853-MS1)	**Source: 11H0734-01**			Prepared: 08/19/11 Analyzed: 08/23/11						
Aroclor-1016	1.1	0.10	mg/Kg	1.00	0.0	108	40-140			
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00	0.0	109	40-140			
Aroclor-1260	1.0	0.10	mg/Kg	1.00	0.0	105	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00	0.0	103	40-140			
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.989*		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.17*		mg/Kg	1.00		117	30-150			
Matrix Spike Dup (B035853-MSD1)	**Source: 11H0734-01**			Prepared: 08/19/11 Analyzed: 08/23/11						
Aroclor-1016	0.95	0.087	mg/Kg	0.870	0.0	109	40-140	12.8	50	
Aroclor-1016 [2C]	0.95	0.087	mg/Kg	0.870	0.0	109	40-140	14.1	50	
Aroclor-1260	0.90	0.087	mg/Kg	0.870	0.0	104	40-140	15.0	50	
Aroclor-1260 [2C]	0.91	0.087	mg/Kg	0.870	0.0	105	40-140	12.2	50	
Surrogate: Decachlorobiphenyl	*0.967*		mg/Kg	0.870		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.889*		mg/Kg	0.870		102	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	0.870		118	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.05*		mg/Kg	0.870		120	30-150			
Batch B035854 - SW-846 3540C										
Blank (B035854-BLK1)				Prepared: 08/19/11 Analyzed: 08/24/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.31*		mg/Kg	4.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.94*		mg/Kg	4.00		98.6	30-150			
Surrogate: Tetrachloro-m-xylene	*4.34*		mg/Kg	4.00		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.43*		mg/Kg	4.00		111	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B035854 - SW-846 3540C										
LCS (B035854-BS1)				Prepared: 08/19/11 Analyzed: 08/24/11						
Aroclor-1016	3.7	0.20	mg/Kg	4.00		92.9	40-140			
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		96.0	40-140			
Aroclor-1260	3.6	0.20	mg/Kg	4.00		90.7	40-140			
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		93.1	40-140			
Surrogate: Decachlorobiphenyl	*4.16*		mg/Kg	4.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.79*		mg/Kg	4.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	*4.15*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.24*		mg/Kg	4.00		106	30-150			
LCS Dup (B035854-BSD1)				Prepared: 08/19/11 Analyzed: 08/24/11						
Aroclor-1016	3.9	0.20	mg/Kg	4.00		96.4	40-140	3.70	30	
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		96.5	40-140	0.498	30	
Aroclor-1260	3.7	0.20	mg/Kg	4.00		91.4	40-140	0.717	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		93.5	40-140	0.476	30	
Surrogate: Decachlorobiphenyl	*4.13*		mg/Kg	4.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.78*		mg/Kg	4.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	*4.17*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.27*		mg/Kg	4.00		107	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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CHAIN OF CUSTODY RECORD

11H0734

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 4

Company Name: ATC
Telephone: 781-932-9400
Address: 600 W. Cummings Pk. #5450 Woburn, MA
Project # 60.41885.0001
Client PO#
Attention: DAN WHITE
Project Location: JFK BLDG. BOSTON
Sampled By: J. ROBACK
Project Proposal Provided? (for billing purposes) ○ yes NO proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
Fax # —
Email: DANIEL.WHITE@atcassociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS ○ OTHER ___ ○ "Enhanced Data Package"

	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED
PCB's 8082 w/ Sox	1	—	G/O	
~~PCB's 8082 w/ Sox~~	1	0	G	

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB's 8082 w/ Sox
01	5-C-12	8/17/11	5:30		X	S	U	O
02	5-C-12-2	↓	5:35		↓	↓	↓	↓
03	5-C-6	↓	5:50		↓	↓	↓	↓
04	5-C-3	↓	6:00		↓	↓	↓	↓
05	5-C-1	↓	6:20		↓	↓	↓	↓
06	4-C-12	↓	7:00		↓	↓	↓	↓
07	4-C-6	↓	7:20		↓	↓	↓	↓
08	4-C-3	↓	7:40		↓	↓	↓	↓
09	4-C-1	↓	8:00		↓	↓	↓	↓
10	7-C-12	↓	8:40		↓	↓	↓	↓

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other PLAST. BAG

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other HEXANE

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ___

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	8/18/11 14:36
Received by: (signature) [signature]	8/18/11 236
Relinquished by: (signature) [signature]	8/18/11 710 pm
Received by: (signature) Paula Blakeslee	8/18/11 1910

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ___
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts:~~ EPA TSCA
Bulk = 1 ppm
~~Connecticut:~~ Wipe = 10 μg/wipe
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # ___

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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CHAIN OF CUSTODY RECORD

11H0734

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: AIC
Address: WOBURN, MA
Attention: DAN WHITE
Project Location: JFK BLDG.
Sampled By: J. ROBAK

Telephone: (781) 932-9400
Project # 60.41885.0001
Client PO #

DATA DELIVERY (check one): ☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email:
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes NO proposal date

State Form Required? ☐ yes ☒ no

# of containers: 1
**Preservation: I
~Cont.Code: G/O

ANALYSIS REQUESTED: PCBs 8082 w/ Sox.

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 w/ Sox.
11	7-C-6	~~9:00~~	8/17/11	9:00		X	S	U	✓
12	7-C-3	~~9:20~~	↓	9:20		↓	↓	↓	↓
13	7-C-1	~~9:40~~	↓	9:40		↓	↓	↓	↓
14	7-C-TOP PILASTER	~~10:00~~	↓	10:00		↓	↓	↓	↓
15	5-C-TOP PILASTER		↓	6:30		↓	↓	↓	↓
16	5-G		↓	5:10		↓	↓	↓	↓
17	5-G-2		↓	5:15		↓	↓	↓	↓
18	4-MIDDLE-CAULK FRAME BEAM		↓	10:30		↓	↓	↓	↓

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other PLAST. BAG

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:

H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	8/18/11 14:36
Received by: (signature) [signature]	8/18/11 2:31 pm
Relinquished by: (signature) [signature]	8/18/11 7:10 pm
Received by: (signature) Paula Blakeborough	8/18/11 1910

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☒ *72-Hr ☐ *4-Day
*** Require lab approval**

Detection Limit Requirements
Regulations? EPA TSCA
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: Min. Bulk = 1 ppm; Wipe = 10 µg/wipe

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other HEXANE
X = Na hydroxide
T = Na thiosulfate

**** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.**

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 3 of 4

11H0734

Company Name: ATC
Address: WOBURN, MA.
Attention: DAN WHITE
Project Location: JFK BLDG.
Sampled By: J. ROBACK

Telephone: 781-932-9400
Project # 60.41885.0001
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ⊘ EMAIL ⊘ WEBSITE
Fax #
Email:
Format: ⊘ PDF ⊘ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes No proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: PCBs 8082 w/ SOX	ANALYSIS REQUESTED: PCBs 8082 w/ SOX
19	4-MIDDLE-CAULK-WINDOW SEAL	8/17/11	10:20		X	S	U	1	1	G	X	
20	4-MIDDLE-G		10:40		X	S		1	0	G	X	
21	4-W-W		11:00		X	O	U	1	0	G		X
22	4-W-F		11:20									
23	4-MIDDLE-W-F		11:40									
24	4-MIDDLE-W-W		12:00									
25	7-MIDDLE-W-F		12:20									
26	7-MIDDLE-W-W		12:40									
27	8-MIDDLE-W-F		13:00									
28	8-MIDDLE-W-W		13:20									

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time
Relinquished by: (signature)	8/18/11 14:36
Received by: (signature)	8/17/11 23 pm
Relinquished by: (signature)	8/17/11 7 pm
Received by: (signature) Paula Blake	8/18/11 1910

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts:~~ EPA TSCA
BULK = 1 ppm
wipe = 10 ug/wipe
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other RAS-BAG

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other HEXANE

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other WIPE

Dissolved Metals
○ Field Filtered
○ Lab to Filter

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

11H0734

Company Name: ATC
Address: WOBURN, MA
Attention: DAN WHITE
Project Location: JFK BLDG.
Sampled By: J. ROBACK

Telephone: 781-932-9400
Project #: 60.41885.0001
Client PO#:

DATA DELIVERY (check all that apply): ○ FAX ☒ EMAIL ☒ WEBSITE
Fax #:
Email:
Format: ○PDF ○EXCEL ○GIS ○ OTHER ______ ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes No proposal date

# of Containers	1	1			
** Preservation	O	I			
***Container Code	G	O			
ANALYSIS REQUESTED	PCBs 8082 w/SOX.	PCBs 8082 w/SOX.			

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082 w/SOX.	PCBs 8082 w/SOX.
29	5-W-W	8/17/11	5:20		X	O	U	X	
30	5-W-E	8/17/11	5:25		X	O	U	X	
31	11-S-CAULK-LOUVER	↓	14:00		↓	S	↓		X
32	11-N-CAULK-LOUVER	↓	14:10		↓	↓	↓		↓
33	9/10-N-CAULK-W	↓	14:20		↓	↓	↓		↓
34	9-N-CAULK-E	↓	14:30		↓	↓	↓		↓
35	9-S-CAULK-W	↓	14:40		↓	↓	↓		↓
36	7-N-CAULK-LOUVER	↓	14:50		↓	↓	↓		↓
37	7-S-CAULK-LOUVER	↓	15:00		↓	↓	↓		↓
38	6-S-CAULK-W	↓	15:10		↓	↓	↓		↓

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Signature	Date/Time
Relinquished by: (signature) [signature]	8/18/11 14:36
Received by: (signature) [signature]	8/18/11 2:22
Relinquished by: (signature) [signature]	8/18/11 7:10 pm
Received by: (signature) [signature]	8/18/11 1910

Turnaround ††
- ☐ 7-Day
- ☐ 10-Day
- ☐ Other ____

RUSH †
- ☐ †24-Hr ☐ †48-Hr
- ☒ †72-Hr ☐ †4-Day

† Require lab approval

Detection Limit Requirements
~~Massachusetts:~~ EPA TSCA
Bulk = 1 ppm
Wipe = 10 µg/wipe
Connecticut:
Other:

Is your project MCP or RCP ?
- ○ MCP Analytical Certification Form Required
- ○ RCP Analysis Certification Form Required
- ○ MA State DW Form Required PWSID # ______

NELAC & AIHA Certified
WBE/DBE Certified

Dissolved Metals
- ○ Field Filtered
- ○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other PLAST. BAG

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other HEXANE

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other WIPE

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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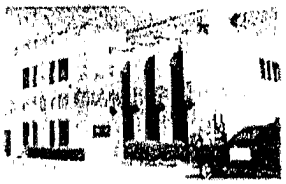


Sample Receipt Checklist

CLIENT NAME: ATC RECEIVED BY: PB DATE: 8/18/11

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.9

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	15
500 mL Amber		4 oz amber/clear jar	10
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	13
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

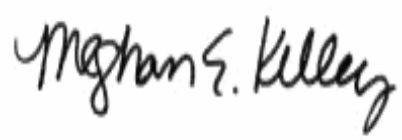
August 31, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building, Boston, MA
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11H0910

Enclosed are results of analyses for samples received by the laboratory on August 23, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 8/31/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11H0910

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building, Boston, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
8-C-1	11H0910-01	Concrete		SW-846 8082A	
8-C-3	11H0910-02	Concrete		SW-846 8082A	
8-C-6	11H0910-03	Concrete		SW-846 8082A	
8-C-12	11H0910-04	Concrete		SW-846 8082A	
8-C-12-2	11H0910-05	Concrete		SW-846 8082A	
4-G	11H0910-06	Caulk		SW-846 8082A	
3-G-2	11H0910-07	Caulk		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11H0910-06RE1[4-G], 11H0910-07RE1[3-G-2]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 8-C-1 | Sampled: 8/20/2011 06:30

Sample ID: 11H0910-01

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1254 [1]	1.1	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/24/11 21:37
Decachlorobiphenyl [2]	96.9	30-150		8/24/11 21:37
Tetrachloro-m-xylene [1]	108	30-150		8/24/11 21:37
Tetrachloro-m-xylene [2]	110	30-150		8/24/11 21:37

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 8-C-3 | Sampled: 8/20/2011 06:20

Sample ID: 11H0910-02

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1254 [1]	0.82	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 21:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		8/24/11 21:50
Decachlorobiphenyl [2]	98.1	30-150		8/24/11 21:50
Tetrachloro-m-xylene [1]	108	30-150		8/24/11 21:50
Tetrachloro-m-xylene [2]	111	30-150		8/24/11 21:50

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 8-C-6 | Sampled: 8/20/2011 06:10

Sample ID: 11H0910-03

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1254 [1]	0.80	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		8/24/11 22:03
Decachlorobiphenyl [2]	94.7	30-150		8/24/11 22:03
Tetrachloro-m-xylene [1]	110	30-150		8/24/11 22:03
Tetrachloro-m-xylene [2]	114	30-150		8/24/11 22:03

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 8-C-12 | Sampled: 8/20/2011 06:00

Sample ID: 11H0910-04

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1254 [1]	0.67	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		8/24/11 22:15
Decachlorobiphenyl [2]	97.8	30-150		8/24/11 22:15
Tetrachloro-m-xylene [1]	108	30-150		8/24/11 22:15
Tetrachloro-m-xylene [2]	111	30-150		8/24/11 22:15

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 8-C-12-2 | Sampled: 8/20/2011 06:05

Sample ID: 11H0910-05

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1254 [1]	0.29	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	8/23/11	8/24/11 22:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		8/24/11 22:28
Decachlorobiphenyl [2]	92.9	30-150		8/24/11 22:28
Tetrachloro-m-xylene [1]	102	30-150		8/24/11 22:28
Tetrachloro-m-xylene [2]	104	30-150		8/24/11 22:28

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 4-G | Sampled: 8/20/2011 07:00

Sample ID: 11H0910-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1221 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1232 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1242 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1248 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1254 [2]	130	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1260 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1262 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB
Aroclor-1268 [1]	ND	19	mg/Kg	100		SW-846 8082A	8/29/11	8/30/11 17:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/30/11 17:08
Decachlorobiphenyl [2]	*	30-150	S-01	8/30/11 17:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/30/11 17:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/30/11 17:08

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Project Location: JFK Building, Boston, MA | Sample Description: | Work Order: 11H0910

Date Received: 8/23/2011

Field Sample #: 3-G-2 | Sampled: 8/20/2011 05:35

Sample ID: 11H0910-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1221 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1232 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1242 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1248 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1254 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1260 [1]	50000	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1262 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB
Aroclor-1268 [1]	ND	3800	mg/Kg	20000		SW-846 8082A	8/29/11	8/31/11 10:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/31/11 10:50
Decachlorobiphenyl [2]	*	30-150	S-01	8/31/11 10:50
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/31/11 10:50
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/31/11 10:50

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0910-06RE1 [4-G]	B036417	0.525	10.0	08/29/11
11H0910-07RE1 [3-G-2]	B036417	0.522	10.0	08/29/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11H0910-01 [8-C-1]	B036031	2.20	10.0	08/23/11
11H0910-02 [8-C-3]	B036031	2.10	10.0	08/23/11
11H0910-03 [8-C-6]	B036031	2.20	10.0	08/23/11
11H0910-04 [8-C-12]	B036031	2.00	10.0	08/23/11
11H0910-05 [8-C-12-2]	B036031	2.30	10.0	08/23/11

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B036031 - SW-846 3540C										
Blank (B036031-BLK1)				Prepared: 08/23/11 Analyzed: 08/24/11						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.942*		mg/Kg	1.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104	30-150			
LCS (B036031-BS1)				Prepared: 08/23/11 Analyzed: 08/24/11						
Aroclor-1016	0.28	0.10	mg/Kg	0.250		112	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		117	40-140			
Surrogate: Decachlorobiphenyl	*1.13*		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.12*		mg/Kg	1.00		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.15*		mg/Kg	1.00		115	30-150			
LCS Dup (B036031-BSD1)				Prepared: 08/23/11 Analyzed: 08/24/11						
Aroclor-1016	0.26	0.10	mg/Kg	0.250		105	40-140	5.93	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140	6.69	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140	1.84	30	
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		119	40-140	1.77	30	
Surrogate: Decachlorobiphenyl	*1.11*		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.10*		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.13*		mg/Kg	1.00		113	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B036417 - SW-846 3540C										
Blank (B036417-BLK1)				Prepared: 08/29/11 Analyzed: 08/30/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*8.06*		mg/Kg	8.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*8.10*		mg/Kg	8.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*8.39*		mg/Kg	8.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*8.95*		mg/Kg	8.00		112	30-150			
LCS (B036417-BS1)				Prepared: 08/29/11 Analyzed: 08/30/11						
Aroclor-1016	4.2	0.20	mg/Kg	4.00		105	40-140			
Aroclor-1016 [2C]	4.2	0.20	mg/Kg	4.00		104	40-140			
Aroclor-1260	3.9	0.20	mg/Kg	4.00		96.9	40-140			
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		96.7	40-140			
Surrogate: Decachlorobiphenyl	*3.68*		mg/Kg	4.00		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.69*		mg/Kg	4.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	*4.39*		mg/Kg	4.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.66*		mg/Kg	4.00		117	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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CHAIN OF CUSTODY RECORD

Page 1 of 1

11H0910

Company Name: ATC Associates
Address: 600 W. Cummings Park, Ste 5450
Woburn, MA 01801
Attention: Dan White
Project Location: JFK Building, Boston, MA
Sampled By: DPW

Telephone: 781-404-1432
Project #: 60.41885.0001
Client PO#:

DATA DELIVERY (check all that apply)
☒ FAX ☒ EMAIL ☒ WEBSITE
Fax #:
Email: Daniel.White@ATCAssociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/~~Time~~	Collection ~~Ending~~ Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: PCBs (8082) w/ soxhlet	Dissolved Metals: ○ Field Filtered ○ Lab to Filter
-1	S-C-1	8/20/11	0630		X	Solid	L	1	None	G	X	
-2	S-C-3		0620				L					
-3	S-C-6		0610				L					
-4	S-C-12		0600				L					
-5	S-C-12-2		0605				L					
-6	4-G		0700				U					
-7	3-G-2		0535				U					

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Daniel P White	8/23/11 1330
Received by: (signature)	Date/Time:
[illegible]	8-23-11 1330
Relinquished by: (signature)	Date/Time:
[illegible]	8-23-11 17
Received by: (signature)	Date/Time:
[illegible] 3.0	8/23 1725

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts~~: EPA TSCA 1 ppm
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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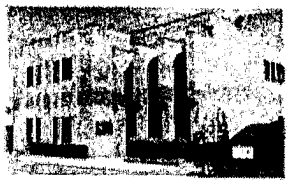

Sample Receipt Checklist

CLIENT NAME: ATC Associates RECEIVED BY: SD DATE: 9/23/11

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.0

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	7
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

Doc# 277

Rev. 1 May 2011

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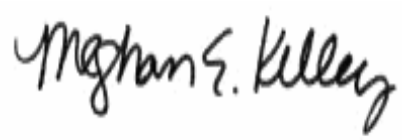
October 5, 2011

Dan White
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: JFK Building-Boston
Client Job Number:
Project Number: 60.41885.0001
Laboratory Work Order Number: 11I1147

Enclosed are results of analyses for samples received by the laboratory on September 30, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Dan White

REPORT DATE: 10/5/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 60.41885.0001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I1147

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: JFK Building-Boston

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
7-S-Louver-W-F	11I1147-01	Wipe		SW-846 8082A	
7-N-Louver-W-F	11I1147-02	Wipe		SW-846 8082A	
6-S-W-W-F	11I1147-03	Wipe		SW-846 8082A	
W-Blank	11I1147-04	Wipe		SW-846 8082A	
9-S-W-W-F	11I1147-05	Wipe		SW-846 8082A	
9-N-E-W-F	11I1147-06	Wipe		SW-846 8082A	
9/10-N-W-W-F	11I1147-07	Wipe		SW-846 8082A	
9/10-N-W-W-F-2	11I1147-08	Wipe		SW-846 8082A	
9-S-W-C-1"	11I1147-09	Concrete		SW-846 8082A	
9-S-W-C-6"	11I1147-10	Concrete		SW-846 8082A	
9-S-W-C-12"	11I1147-11	Concrete		SW-846 8082A	
9-N-E-C-1"	11I1147-12	Concrete		SW-846 8082A	
9-N-E-C-6"	11I1147-13	Concrete		SW-846 8082A	
9-N-E-C-12"	11I1147-14	Concrete		SW-846 8082A	
9/10-N-W-C-1"	11I1147-15	Concrete		SW-846 8082A	
9/10-N-W-C-6"	11I1147-16	Concrete		SW-846 8082A	
9/10-N-W-C-12"	11I1147-17	Concrete		SW-846 8082A	
9/10-N-W-C-12"-2	11I1147-18	Concrete		SW-846 8082A	
6-S-W-C-1"	11I1147-19	Concrete		SW-846 8082A	
6-S-W-C-6"	11I1147-20	Concrete		SW-846 8082A	
6-S-W-C-12"	11I1147-21	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C], Aroclor-1260, Aroclor-1260 [2C]

B038332-MS1, B038332-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 7-S-Louver-W-F | Sampled: 9/28/2011 21:25

Sample ID: 11I1147-01

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1254 [1]	1.5	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:45	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		10/1/11 15:45
Decachlorobiphenyl [2]	99.9	30-150		10/1/11 15:45
Tetrachloro-m-xylene [1]	104	30-150		10/1/11 15:45
Tetrachloro-m-xylene [2]	107	30-150		10/1/11 15:45

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 7-N-Louver-W-F | Sampled: 9/28/2011 21:30

Sample ID: 11I1147-02

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 15:58	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.3	30-150		10/1/11 15:58
Decachlorobiphenyl [2]	93.0	30-150		10/1/11 15:58
Tetrachloro-m-xylene [1]	92.8	30-150		10/1/11 15:58
Tetrachloro-m-xylene [2]	95.7	30-150		10/1/11 15:58

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 6-S-W-W-F | Sampled: 9/28/2011 21:16

Sample ID: 11I1147-03

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1254 [1]	0.20	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.5	30-150		10/1/11 16:11
Decachlorobiphenyl [2]	90.5	30-150		10/1/11 16:11
Tetrachloro-m-xylene [1]	93.8	30-150		10/1/11 16:11
Tetrachloro-m-xylene [2]	96.7	30-150		10/1/11 16:11

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: W-Blank | Sampled: 9/28/2011 21:16

Sample ID: 11I1147-04

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:23	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		10/1/11 16:23
Decachlorobiphenyl [2]	97.0	30-150		10/1/11 16:23
Tetrachloro-m-xylene [1]	99.3	30-150		10/1/11 16:23
Tetrachloro-m-xylene [2]	102	30-150		10/1/11 16:23

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-S-W-W-F | Sampled: 9/28/2011 19:15

Sample ID: 11I1147-05

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.6	30-150		10/1/11 16:36
Decachlorobiphenyl [2]	83.1	30-150		10/1/11 16:36
Tetrachloro-m-xylene [1]	85.9	30-150		10/1/11 16:36
Tetrachloro-m-xylene [2]	89.2	30-150		10/1/11 16:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-N-E-W-F | Sampled: 9/28/2011 19:45

Sample ID: 11I1147-06

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 16:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.5	30-150		10/1/11 16:49
Decachlorobiphenyl [2]	82.9	30-150		10/1/11 16:49
Tetrachloro-m-xylene [1]	87.7	30-150		10/1/11 16:49
Tetrachloro-m-xylene [2]	91.2	30-150		10/1/11 16:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-W-F | Sampled: 9/28/2011 20:15

Sample ID: 11I1147-07

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1254 [1]	0.60	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.4	30-150		10/1/11 17:01
Decachlorobiphenyl [2]	91.5	30-150		10/1/11 17:01
Tetrachloro-m-xylene [1]	93.4	30-150		10/1/11 17:01
Tetrachloro-m-xylene [2]	95.9	30-150		10/1/11 17:01

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-W-F-2 | Sampled: 9/28/2011 20:20

Sample ID: 11I1147-08

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1254 [1]	0.30	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/30/11	10/1/11 17:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	100	30-150		10/1/11 17:14
Decachlorobiphenyl [2]	95.2	30-150		10/1/11 17:14
Tetrachloro-m-xylene [1]	98.2	30-150		10/1/11 17:14
Tetrachloro-m-xylene [2]	101	30-150		10/1/11 17:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-S-W-C-1" | Sampled: 9/28/2011 19:25

Sample ID: 11I1147-09

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1254 [2]	3.4	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		10/3/11 12:15
Decachlorobiphenyl [2]	106	30-150		10/3/11 12:15
Tetrachloro-m-xylene [1]	98.6	30-150		10/3/11 12:15
Tetrachloro-m-xylene [2]	113	30-150		10/3/11 12:15

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-S-W-C-6" | Sampled: 9/28/2011 19:30

Sample ID: 11I1147-10

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1221 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1232 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1242 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1248 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1254 [2]	1.6	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1260 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1262 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG
Aroclor-1268 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 12:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		10/3/11 12:28
Decachlorobiphenyl [2]	117	30-150		10/3/11 12:28
Tetrachloro-m-xylene [1]	116	30-150		10/3/11 12:28
Tetrachloro-m-xylene [2]	128	30-150		10/3/11 12:28

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-S-W-C-12'' | Sampled: 9/28/2011 19:35

Sample ID: 11I1147-11

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1221 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1232 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1242 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1248 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1254 [2]	3.7	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1260 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1262 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG
Aroclor-1268 [1]	ND	0.87	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 12:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		10/3/11 12:40
Decachlorobiphenyl [2]	105	30-150		10/3/11 12:40
Tetrachloro-m-xylene [1]	96.6	30-150		10/3/11 12:40
Tetrachloro-m-xylene [2]	112	30-150		10/3/11 12:40

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-N-E-C-1" | Sampled: 9/28/2011 19:48

Sample ID: 11I1147-12

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1254 [1]	1.9	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 12:53	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		10/3/11 12:53
Decachlorobiphenyl [2]	109	30-150		10/3/11 12:53
Tetrachloro-m-xylene [1]	100	30-150		10/3/11 12:53
Tetrachloro-m-xylene [2]	115	30-150		10/3/11 12:53

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-N-E-C-6'' | Sampled: 9/28/2011 19:54

Sample ID: 11I1147-13

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1254 [1]	9.0	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	117	30-150		10/3/11 13:06
Decachlorobiphenyl [2]	116	30-150		10/3/11 13:06
Tetrachloro-m-xylene [1]	107	30-150		10/3/11 13:06
Tetrachloro-m-xylene [2]	123	30-150		10/3/11 13:06

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9-N-E-C-12" | Sampled: 9/28/2011 19:58

Sample ID: 11I1147-14

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1221 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1232 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1242 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1248 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1254 [2]	1.6	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1260 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1262 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG
Aroclor-1268 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		10/3/11 13:18
Decachlorobiphenyl [2]	105	30-150		10/3/11 13:18
Tetrachloro-m-xylene [1]	97.8	30-150		10/3/11 13:18
Tetrachloro-m-xylene [2]	111	30-150		10/3/11 13:18

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-C-1" | Sampled: 9/28/2011 20:25

Sample ID: 11I1147-15

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1254 [2]	4.5	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	9/30/11	10/3/11 13:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		10/3/11 13:31
Decachlorobiphenyl [2]	112	30-150		10/3/11 13:31
Tetrachloro-m-xylene [1]	97.7	30-150		10/3/11 13:31
Tetrachloro-m-xylene [2]	115	30-150		10/3/11 13:31

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-C-6" | Sampled: 9/28/2011 20:29

Sample ID: 11I1147-16

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1221 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1232 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1242 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1248 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1254 [1]	1.8	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1260 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1262 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG
Aroclor-1268 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 13:44	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		10/3/11 13:44
Decachlorobiphenyl [2]	104	30-150		10/3/11 13:44
Tetrachloro-m-xylene [1]	93.4	30-150		10/3/11 13:44
Tetrachloro-m-xylene [2]	102	30-150		10/3/11 13:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-C-12" | Sampled: 9/28/2011 20:35

Sample ID: 11I1147-17

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1254 [2]	1.1	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.3	30-150		10/1/11 20:37
Decachlorobiphenyl [2]	89.8	30-150		10/1/11 20:37
Tetrachloro-m-xylene [1]	96.9	30-150		10/1/11 20:37
Tetrachloro-m-xylene [2]	101	30-150		10/1/11 20:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 9/10-N-W-C-12''-2 | Sampled: 9/28/2011 20:40

Sample ID: 11I1147-18

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1254 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/30/11	10/1/11 20:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		10/1/11 20:50
Decachlorobiphenyl [2]	99.2	30-150		10/1/11 20:50
Tetrachloro-m-xylene [1]	105	30-150		10/1/11 20:50
Tetrachloro-m-xylene [2]	107	30-150		10/1/11 20:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 6-S-W-C-1" | Sampled: 9/28/2011 20:55

Sample ID: 11I1147-19

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1254 [2]	1.1	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/30/11	10/3/11 13:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	47.3	30-150		10/3/11 13:57
Decachlorobiphenyl [2]	49.6	30-150		10/3/11 13:57
Tetrachloro-m-xylene [1]	42.6	30-150		10/3/11 13:57
Tetrachloro-m-xylene [2]	48.5	30-150		10/3/11 13:57

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 6-S-W-C-6" | Sampled: 9/28/2011 21:00

Sample ID: 11I1147-20

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1254 [1]	1.4	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/30/11	10/3/11 14:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		10/3/11 14:09
Decachlorobiphenyl [2]	103	30-150		10/3/11 14:09
Tetrachloro-m-xylene [1]	98.8	30-150		10/3/11 14:09
Tetrachloro-m-xylene [2]	104	30-150		10/3/11 14:09

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Project Location: JFK Building-Boston | Sample Description: | Work Order: 11I1147

Date Received: 9/30/2011

Field Sample #: 6-S-W-C-12'' | Sampled: 9/28/2011 21:06

Sample ID: 11I1147-21

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1221 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1232 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1242 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1248 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1254 [2]	1.8	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1260 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1262 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG
Aroclor-1268 [1]	ND	0.38	mg/Kg	4		SW-846 8082A	9/30/11	10/3/11 14:22	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	110	30-150		10/3/11 14:22
Decachlorobiphenyl [2]	112	30-150		10/3/11 14:22
Tetrachloro-m-xylene [1]	108	30-150		10/3/11 14:22
Tetrachloro-m-xylene [2]	113	30-150		10/3/11 14:22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I1147-09 [9-S-W-C-1"]	B038332	2.10	10.0	09/30/11
11I1147-10 [9-S-W-C-6"]	B038332	2.10	10.0	09/30/11
11I1147-11 [9-S-W-C-12"]	B038332	2.30	10.0	09/30/11
11I1147-12 [9-N-E-C-1"]	B038332	2.00	10.0	09/30/11
11I1147-13 [9-N-E-C-6"]	B038332	2.20	10.0	09/30/11
11I1147-14 [9-N-E-C-12"]	B038332	2.30	10.0	09/30/11
11I1147-15 [9/10-N-W-C-1"]	B038332	2.00	10.0	09/30/11
11I1147-16 [9/10-N-W-C-6"]	B038332	2.30	10.0	09/30/11
11I1147-17 [9/10-N-W-C-12"]	B038332	2.10	10.0	09/30/11
11I1147-18 [9/10-N-W-C-12"-2]	B038332	2.00	10.0	09/30/11
11I1147-19 [6-S-W-C-1"]	B038332	2.10	10.0	09/30/11
11I1147-20 [6-S-W-C-6"]	B038332	2.10	10.0	09/30/11
11I1147-21 [6-S-W-C-12"]	B038332	2.10	10.0	09/30/11

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
11I1147-01 [7-S-Louver-W-F]	B038331	1.00	10.0	09/30/11
11I1147-02 [7-N-Louver-W-F]	B038331	1.00	10.0	09/30/11
11I1147-03 [6-S-W-W-F]	B038331	1.00	10.0	09/30/11
11I1147-04 [W-Blank]	B038331	1.00	10.0	09/30/11
11I1147-05 [9-S-W-W-F]	B038331	1.00	10.0	09/30/11
11I1147-06 [9-N-E-W-F]	B038331	1.00	10.0	09/30/11
11I1147-07 [9/10-N-W-W-F]	B038331	1.00	10.0	09/30/11
11I1147-08 [9/10-N-W-W-F-2]	B038331	1.00	10.0	09/30/11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B038331 - SW-846 3540C										
Blank (B038331-BLK1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.97*		µg/Wipe	2.00		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.91*		µg/Wipe	2.00		95.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.90*		µg/Wipe	2.00		94.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.98*		µg/Wipe	2.00		98.9	30-150			
LCS (B038331-BS1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	0.54	0.20	µg/Wipe	0.500		108	40-140			
Aroclor-1016 [2C]	0.56	0.20	µg/Wipe	0.500		112	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		109	40-140			
Aroclor-1260 [2C]	0.56	0.20	µg/Wipe	0.500		112	40-140			
Surrogate: Decachlorobiphenyl	*2.21*		µg/Wipe	2.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.12*		µg/Wipe	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*2.13*		µg/Wipe	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.22*		µg/Wipe	2.00		111	30-150			
LCS Dup (B038331-BSD1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	0.48	0.20	µg/Wipe	0.500		96.2	40-140	11.5	30	
Aroclor-1016 [2C]	0.51	0.20	µg/Wipe	0.500		102	40-140	10.0	30	
Aroclor-1260	0.45	0.20	µg/Wipe	0.500		89.3	40-140	19.9	30	
Aroclor-1260 [2C]	0.49	0.20	µg/Wipe	0.500		97.3	40-140	14.3	30	
Surrogate: Decachlorobiphenyl	*1.82*		µg/Wipe	2.00		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.76*		µg/Wipe	2.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/Wipe	2.00		91.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.92*		µg/Wipe	2.00		96.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B038332 - SW-846 3540C										
Blank (B038332-BLK1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.988*		mg/Kg	1.00		98.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.951*		mg/Kg	1.00		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.976*		mg/Kg	1.00		97.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
LCS (B038332-BS1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140			
Surrogate: Decachlorobiphenyl	*1.10*		mg/Kg	1.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.10*		mg/Kg	1.00		110	30-150			
LCS Dup (B038332-BSD1)				Prepared: 09/30/11 Analyzed: 10/01/11						
Aroclor-1016	0.27	0.10	mg/Kg	0.250		110	40-140	2.36	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		114	40-140	4.48	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		106	40-140	1.91	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140	2.40	30	
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.10*		mg/Kg	1.00		110	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B038332 - SW-846 3540C											
Matrix Spike (B038332-MS1)	**Source: 11I1147-14**			Prepared: 09/30/11 Analyzed: 10/01/11							
Aroclor-1016	8.3	0.087	mg/Kg	0.217	0.0	**3830**	*	40-140			MS-21
Aroclor-1016 [2C]	6.3	0.087	mg/Kg	0.217	0.0	**2890**	*	40-140			MS-21
Aroclor-1260	0.98	0.087	mg/Kg	0.217	0.0	**452**	*	40-140			MS-21
Aroclor-1260 [2C]	0.79	0.087	mg/Kg	0.217	0.0	**364**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.832*		mg/Kg	0.870		95.6		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.803*		mg/Kg	0.870		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.856*		mg/Kg	0.870		98.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.832*		mg/Kg	0.870		95.7		30-150			
Matrix Spike Dup (B038332-MSD1)	**Source: 11I1147-14**			Prepared: 09/30/11 Analyzed: 10/01/11							
Aroclor-1016	7.6	0.087	mg/Kg	0.217	0.0	**3490**	*	40-140	9.26	50	MS-21
Aroclor-1016 [2C]	6.2	0.087	mg/Kg	0.217	0.0	**2830**	*	40-140	1.87	50	MS-21
Aroclor-1260	0.90	0.087	mg/Kg	0.217	0.0	**413**	*	40-140	8.95	50	MS-21
Aroclor-1260 [2C]	0.82	0.087	mg/Kg	0.217	0.0	**376**	*	40-140	3.38	50	MS-21
Surrogate: Decachlorobiphenyl	*0.914*		mg/Kg	0.870		105		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.879*		mg/Kg	0.870		101		30-150			
Surrogate: Tetrachloro-m-xylene	*0.941*		mg/Kg	0.870		108		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.917*		mg/Kg	0.870		105		30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Page 1 of 3

11I1147

Company Name: ATC Associates
Address: 600 W Cummings Park, Suite 5450
Woburn MA 01801
Attention: Dan White
Project Location: JFK Building - Boston
Sampled By: BC

Telephone: ~~781-904-1~~ 781-932-9400
Project # 60,41885.0601
Client PO#

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
Fax #
Email: daniel.white@atcassociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: Beginning Date/~~Time~~	Collection: ~~Ending~~ Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB (8082) (Soil/Cat)	# of Containers	** Preservation	***Container Code
01	7-S-Louver-W-F	9/28/11	925 p.m.		X	O	L	X	1	I	G/O
02	7-N-Louver-W-F		930		X	O	L				
03	6-S-W-W-F		916		X	O	L				
04	W-Blank		916		X	O	L				
05	9-S-W-W-F		715		X	O	L				
06	9-N-E-W-F		745		X	O	L				
07	9/10-N-W-W-F		815		X	O	L				
08	9/10-N-W-W-F-2		820		X	O	L				
09	9-S-W-C-1"		725		X	S	L/m				
10	9-S-W-C-6"	↓	730 ↓		X	S	L/m	↓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other (bag)

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = ~~soil~~/solid (concrete)
SL = sludge
O = other Wipe

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 9/30/11	1145
Received by: (signature)	Date/Time: 9-30-11	1149
Relinquished by: (signature)	Date/Time: 9-30-11	1845
Received by: (signature) 4.2	Date/Time: 9/30	1845

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts:~~ EPA/TSCA
Bulk = 1 ppm
Wipe = 10 µg/wipe
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

11I1147

Company Name: ATC Associates
Address: 600 W Cummings Park, Suite 5450
Woburn MA 01801
Attention: Dan White
Project Location: JFK Building - Boston
Sampled By: BC

Telephone: 781-932-9400
Project # 60.41885.0001
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
Fax #
Email: daniel.white@atcassociates.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB (EPA 8082 Soxhlet)	# of Containers	** Preservation	***Container Code
11	9-S-W-C-12"	9/29/11	735 p.m.		X	S	L/M	X	1	1	O
12	9-N-E-C-1"		746		X	S					
13	9-N-E-C-6"		754		X	S					
14	9-N-E-C-12"		758		X	S					
15	9/10-N-W-C-1"		825		X	S					
16	9/10-N-W-C-6"		829		X	S					
17	9/10-N-W-C-12"		835		X	S					
18	9/10-N-W-C-12"-2		840		X	S					
19	6-S-W-C-1"		855		X	S					
20	6-S-W-C-6"		900		X	S					

ANALYSIS REQUESTED

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other (bag)

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = ~~soil~~/solid (concrete)
SL = sludge
O = other_____

Relinquished by: (signature)	Date/Time:
	9/30/11 1145
Received by: (signature)	Date/Time:
	9/30/11 1145
Relinquished by: (signature)	Date/Time:
	9/30/11 1845
Received by: (signature)	Date/Time:
Steven Nolan 4.2	9/30 1845

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☒ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts~~: EPA/TSCA
Bulk = 1 ppm
Wipe = 10 µg/wipe
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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CHAIN OF CUSTODY RECORD

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39 Spruce Street
East longmeadow, MA 01028

11I1147

Company Name: ATC Associates
Address: 600 W Cummings Park Suite 5450
Boston MA 01801
Attention: Dan White
Project Location: JFK Building - Boston
Sampled By: [illegible]

Telephone: 781-932-9400
Project #: 60.41885.0001
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX [✓ EMAIL] [✓ WEBSITE]
Fax #:
Email: daniel.white@atcassociates.com
Format: [✓ PDF] [✓ EXCEL] ○ GIS
○ OTHER ______
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes ______ proposal date

# of Containers	1
** Preservation	I
***Container Code	O

ANALYSIS REQUESTED: PCB (8082) / (soxhlet)

Dissolved Metals
○ Field Filtered
○ Lab to Filter

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: ~~Beginning~~ Date/~~Time~~	Collection: ~~Ending~~ ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc Code	PCB (8082) / (soxhlet)
21	6-S-W-C-12"	9/28/11	9:06 p.m.		X	S	L/M	X

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other (Bag)

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other ______

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = ~~soil~~ [✓ solid] (concrete)
SL = sludge
O = other ______

Signature	Date/Time
Relinquished by: (signature) [illegible]	9/30/11 1145
Received by: (signature) [illegible]	9-30-11 1145
Relinquished by: (signature) [illegible]	9-30-11 1845
Received by: (signature) [illegible] 4.2	9/30 1845

Turnaround ††
☐ 7-Day
[✓ ☐ 10-Day]
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
[✓ ☐ †72-Hr] ☐ †4-Day
† Require lab approval

Detection Limit Requirements
~~Massachusetts~~: EPA/TSCA
Bulk = 1 ppm
Wipe = 10 ug/wipe
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # ______

NELAC & AIHA Certified
WBE/DBE Certified

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Sample Receipt Checklist

CLIENT NAME: ATC Associates · **RECEIVED BY:** SD **DATE:** 9/30/11

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☐ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.2

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	8
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	13
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____